On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu-driven database system. The INTERNET address GSA Advantage!® is: [www.GSAAdvantage.gov](http://www.GSAAdvantage.gov).

**Multiple Award Schedule**

**Information Technology (UO12, DAO1)**

**Contract Number:** GS-35F-0436W

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.

**Contract Period:** May 11, 2020 through May 11, 2025

C.C. Pace Systems, Inc.
4100 Monument Corner Drive
Suite 410
Fairfax, VA 22030
703-631-6600
[www.CCPace.com](http://www.CCPace.com)
Small Business


CUSTOMER INFORMATION

1a. Special Item Numbers:

<table>
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<tr>
<th>SIN</th>
<th>Description</th>
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<td>U012</td>
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<tr>
<td>54151S</td>
<td>INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES</td>
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1b. Lowest priced model number and lowest unit price:

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Certified Scrum Master

Description:
This course is focused on preparing Scrum Masters and Change Agents for the role they will play in the successful adoption of Scrum in the organization. Students learn the basics of Scrum, how to get it started, and how to keep it going in their organizations. Students will learn through interactive exercises and will use the same techniques that are needed when they start their projects. Our goal is to change the fundamental way people think about their projects and how to manage them.

Minimum number of attendees: 8  Maximum number of attendees: 25

Who Should Attend:
People who will be Scrum Masters on a Scrum project, Leaders, Change Agents, Process Owners, and anyone involved in helping the organization adopt Scrum.

Prerequisites:
This class assumes you are familiar with Agile principles and practices and have worked with a software development team using Scrum as an Agile work management framework.

Course Topics:
- Historical Background of Agile
- Overview of Scrum
- Scrum Roles and Responsibilities
- Benefits and Challenges in using Scrum
- Agile Adoption Patterns for Large Organizations
- Agile Project Management
- Agile Estimation and Planning
- Advanced Scrum Techniques
- Role of the Scrum Master
- Organizational Dynamics of Scrum Adoption
- Building Successful Teams for Scrum

Learning Objectives:
- Improve time to value by driving priorities and value to the customer
- Remove the barriers between development and the customer so the customer drives development
- Enable the customer to maximize ROI and meet their objectives through Scrum
- Improve the lives of the development team by facilitating creativity and empowerment
- Improve the productivity of the development team through an iterative development

PMI Registered Education Provider:
Attendees of this workshop are eligible to earn 14 PDUs.
Scrum Team Training

Description:
This course focuses on the entire team, including ScrumMaster, Product Owner, Business Analysts, Testers, Developers and Architects. This team-based training will help you understand your role within the Scrum team structure and equip you with the knowledge, skills and tools to successfully implement Scrum. After taking this highly interactive workshop, you will understand Scrum concepts, why they work and how to start using Scrum on your next project.

Minimum number of attendees: 8  Maximum number of attendees: 25

Who Should Attend:
Project and Program Managers, Product Owners, Technical Leads, Testing Leads, Business Analysts, Developers, Scrum Masters and other senior team members who are responsible for managing solution delivery.

Prerequisites:
There are no prerequisites for this course.

Course Topics:
- The origins of Agile and Scrum
- The values, principles, theories, and science behind Agile and Scrum
- The Scrum team Structure, Roles and Ceremonies
- The Building Blocks of Scrum
- Creating User Stories for Requirements
- Estimation of User Stories
- Building a Product Backlog
- Project Planning via Release planning and Sprint Planning
- Sprint Execution
- Collaboration and Communication with Daily Scrums
- Tracking Progress with Burndowns
- Visible Progress and Feedback with Sprint Demos
- Inspect and Adapt with Retrospectives
- Starting and Executing a Project using Scrum

Learning Objectives:
Using a combination of interactive presentations, problem-solving exercises, and team-structured simulations, the experiential Scrum Team Training 2-day class will enable participants to:
- Understand the core principles, strategies and practices of Scrum
- Apply Scrum in multiple project settings and situations
- Cultivate the Agile mindset vital to effectively deliver results using the Scrum framework

PMI Registered Education Provider:
Attendees of this workshop are eligible to earn 14 PDUs.
Agile Orientation

Description:
The purpose of this 2-hour seminar is to raise the awareness for individuals who will be interacting with Agile teams. This will lay the foundation for introducing the Agile process and lend better understanding for how roles and interactions may be impacted by an Agile transformation.

Minimum number of attendees: None
Maximum number of attendees: 50

Who Should Attend:
Those who would benefit from attending this workshop include anyone who will provide a service for an Agile team or who is downstream from an Agile team.

Prerequisites:
No prior Agile experience is necessary—just an open mind and the desire to improve delivery of customer value.

Course Topics:
- Basics of Agile methodologies and Lean principles
- The Basic Planning Framework used by Scrum Teams
- Iterative and Incremental Delivery
- Key Benefits of the Scrum Process

Learning Objectives:
- Understand the theory and application of Agile principles
- Discern the distinctions between Agile and traditional development practices
- Understand the basic principles behind Lean Agile process improvement
- Explain the relationship between Agile in organizational transformation
Agile Leadership Workshop

Description:
Agile leaders are the most powerful factor in influencing an organization’s success in the transition to Agile. Increasing leadership effectiveness, developing high potential leaders and transforming the organization can be challenging. This course provides an understanding of the shaping of Agile in an organization, the impact it will have on the leadership and how the leaders can best move the initiative forward. Roles, dynamics, leadership style, are just a few topics covered. Specific techniques and tips are also provided to aid in moving forward with Agile. How other organizations moved to Agile, as well as their lessons learned, will be reviewed. Finally, current circumstances and challenges specific to the organization will be discussed and options provided.

This 1-day course is discussion and exercise oriented, with pure lecture being kept to a minimum. Throughout the class, the trainer will provide examples of what other companies are doing, how they are progressing, as well as their lessons learned. Group and class exercises occur throughout the session to drive points home and stimulate discussion. The trainer will have experience in providing Agile related training and coaching to enable her to tailor discussions and provide input based upon knowledge specific to the organization.

Minimum number of attendees: none   Maximum number of attendees: 20

Who Should Attend:
Product Owners and Business Stakeholders who are responsible for the specification and ROI of product, IT Managers and anyone in a leadership position that will be supporting an Agile Team(s) in its delivery.

Prerequisites:
There are no prerequisites for this course.

Course Topics:
• Agile Overview

Learning Objectives:
• Understanding the impact Agile will have on leadership
• Better capability to move Agile initiative forward
• Insight to how other organizations have adopted an Agile approach
• Ability to mitigate common challenges with an Agile adoption
Certified Scrum Product Owner

Description:
The two-day Certified Scrum Product Owner Course will help establish the foundation for starting successful Scrum projects. Product Owners need to understand what will happen in their interaction with Scrum teams and how the role fits into the framework. Building the product backlog and keeping it in a "healthy" state is a key to success. Product owners will learn how to maintain good relationships and deliver customer value

Minimum number of attendees: 8  Maximum number of students: 20

Who Should Attend:
Product Owners, Business Analysts, User Design Team Members, Stakeholders and others who must specify and manage requirements for Agile teams

Prerequisites:
This class assumes you are familiar with Agile principles and practices and have worked with a software development team using Scrum as an Agile work management framework.

Course Topics:
- Scrum Overview
- Product Owner Roles & Responsibilities
- Product Owner Planning
- Product Backlog
- User Stories
- Prioritization
- Release Planning
- Acceptance Criteria

Learning Objectives:
- Understand the Scrum Flow, the core components of the Scrum framework, and the Scrum vocabulary
- Understand the scope of the Product Owner role in detail
- Understand the scope of the ScrumMaster role at a high level
- Understand the scope of the Team role at a high level
- Understand the importance of having the product vision as an overarching goal galvanizing the entire Scrum team
- Understand the different estimation levels in Scrum
- Understand what the product backlog is (and is not)
- Understand the goal of release management
- Understand the product owner’s role in the Scrum meetings
PMI Agile Certified Practitioner Bootcamp

Description:
The purpose of this 2-day course is to prepare you for the PMI-ACP exam. The content is meant to help you understand the content on the exam and to ensure you have the knowledge necessary to pass the exam. After taking this intensely focused course, studying, and achieving the PMI’s requirements for the exam, you will be able to sit for the PMI-ACP exam and hopefully become a PMI Agile Certified Practitioner.

Minimum number of attendees: 8  Maximum number of attendees: 20

Who Should Attend:
Agile Team members such as Scrum Masters, Project Managers, Product Owners, Business Analysts, Stakeholders and others who work with Agile teams.

Prerequisites:
At least 2 years’ experience in the Agile methodologies and at least one full day of previous Agile coursework training

Course Topics:
- Review basic Agile concepts which include the Agile Manifesto, Agile methodologies, the 5 levels of planning, Agile teams including distributed teams, estimation, ways to communicate, engineering practices, prioritization, the paradigm shift, and metrics
- PMI added items including Agile EVMs (Earned Value Metrics), managing risk, Defined Process Control vs. Empirical Process Control, Monte Carlo analysis, the soft skills needed, and the PMI code of ethics
- Simulations
- Mock Exam

Learning Objectives:
- Understand the basics of Agile, including the various methodologies
- Define the different levels of planning
- Learn the Agile EVMs and how they are used as metrics
- Realize the various ways to prioritize to ensure the focus is on the customer
- Comprehend the difference between empirical processes and defined processes
- Have a handle on the various engineering practices that are used to be Agile
- Know the types of questions that are possible on the PMI-ACP exam

PMI Registered Education Provider:
Attendees of this workshop are eligible to earn 21 PDUs that can be used toward the 21 Agile PDUs required for the exam.
Leading SAFe

Description:
This two-day course provides the knowledge necessary to lead an enterprise agile transformation by leveraging the Scaled Agile Framework, and its underlying principles of lean thinking, and product development flow. Participants will gain an understanding of how the principles and practices of the framework support Agile Teams, Agile Programs, Agile Program Portfolio Management and Agile Architecture.

Minimum number of attendees: 8  
Maximum number of attendees: 20

Who Should Attend:
Executives, managers and Agile change agents responsible for leading a Lean|Agile change initiative in the larger software enterprise.

Prerequisites:
There are no prerequisites for this course.

Course Topics:
- Lean Software Development and Product Development Flow
- Agile in the Enterprise
- SAFe Teams: Scrum+ in the Enterprise
- SAFe Programs: The Agile Release Train
- SAFe Portfolios: Program Portfolio Management and Agile Architecture
- Lean | Agile Leadership

Learning Objectives:
- Apply lean, agile and product development flow principles to improve productivity, employee engagement, time to market, and quality
- Apply the Scaled Agile Framework based on lecture, real-world examples, and insights by Scaled Agile experts
- Understand the skills necessary for an enterprise transformation based on the information and examples presented, and additional recommended readings and resources
- Gain the insights into the leadership skills most effective in unlocking the intrinsic motivation of software development knowledge workers, and begin applying them in your context

PMI Registered Education Provider:
Attendees of this workshop are eligible to earn 14 PDUs.
ICAgile Fundamentals

**Description:**
This 2-day course prepares individuals and teams to work in an Agile environment. You will learn what Agile approaches are about and how they can be successfully applied in the real-world. This highly interactive course provides an introduction to Agile theory, concepts, principles, and roles and responsibilities, as well as hands-on practice with common techniques from Scrum to iteratively plan, incrementally deliver, and inspect & adapt products and processes.

Successful completion of this course results in the ICAgile Certified Professional (ICP) certification from the International Consortium for Agile (ICAgile).

*Minimum number of attendees: 8  Maximum number of attendees: 25*

**Who Should Attend:**
Project and Program Managers, Team Leads, Product Owners, Scrum Masters, Business Analysts, Developers, Testers, and other individuals who are or will be working in an Agile environment or are responsible for managing solution delivery.

This class is ideal for teams, giving you hands on practice to bring back to the workplace. Bring your team to learn and experience together!

**Prerequisites:**
There are no prerequisites required for this course

**Course Topics:**
- Agile History & Mindset
- Individuals and Interactions
- Value-Driven Development
- Customer & User Involvement
- Planning and Adapting

**Learning Objectives:**
Using a combination of interactive presentations, problem-solving exercises, and team-structured simulations, this experiential 2-day class will enable participants to:

- Demonstrate knowledge of the Agile mindset
- Demonstrate knowledge of Agile history and vocabulary
- Demonstrate knowledge of one Agile Framework to plan and execute work (we will use Scrum)
- This course provides content and exercises designed to meet the 29 specific Agile Fundamentals Learning Objectives required to earn the ICAgile Certified Professional (ICP) certification

**PMI Registered Education Provider:**
Attendees of this workshop are eligible to earn 14 PDUs.
Agile Engineering Workshop

Description:
This 3-day course is a hands-on workshop designed to help team members learn and apply Agile Engineering practices to deliver valuable solutions in an iterative approach. This workshop discusses the techniques that provide solutions that are of the highest quality with an emphasis on understanding why we use them. Students will then apply those techniques by completing a real problem. This workshop is part of the Certified Scrum Developer track.

Minimum number of attendees: 6       Maximum number of attendees: 12

Who Should Attend:
Developers, Architects, Software Engineers, and any other team members who are responsible for day-to-day programming and software design.

Prerequisites:
Hands-on experience with an object-oriented programming framework such as Java or .NET. Advanced programming concepts will be discussed, but developers with varying degrees of experience should find this course beneficial.

All participants should have a basic understanding of Agile and Agile methods such as Scrum and XP. It is important that anyone attending this workshop already has attended introductory Agile training

Course Topics:
- Define Test Driven Development (TDD), how TDD works and its benefits
- Discuss how “Red-Green-Refactor” plays a role in Agile development
- Explore Emergent Design and Agile Architecture and their relation to the iterative, incremental approach that is used in Agile development
- Look at Continuous Integration/Continuous Delivery (CI/CD) and its impact on Agile development
- Define and utilize Refactoring to exhibit the “simplicity” principle of the Agile Manifesto
- Examine how Extreme Programming (XP) principles, such as Pair Programming, help create a high-performing Agile team

Learning Objectives:
Using a combination of interactive presentations and hands-on programming exercises, participants will be able to:

- Use TDD to drive good software design that meets business requirements
- Understand how to write automated tests, unit and acceptance, by using “Red-Green-Refactor” and testing frameworks
- See how using Agile Architecture and Emergent Design can be beneficial to both the product and the team
- Better grasp how Refactoring is a ‘must’ in Agile Development
- Comprehend why, and how, using CI/CD is a vital part of developing in an Agile environment
  Understand what it means to be a ‘true’ Agile development team
Agile Project Management

Description:
This advanced 2-day course teaches Scrum Masters, Program Managers and Project Managers how to apply Lean thinking and Agile principles to PMI’s Project Management Process Groups, leveraging the best of each to deliver maximum value to customers.

Minimum number of attendees: 8  Maximum number of attendees: 20

Who Should Attend:
Experienced Certified Scrum Masters, Project Managers, Program Managers, Tech Leads, and others who need more detail in the area of Agile Project Management.

Prerequisites:
Attendees should have traditional Project Management training/experience, along with prior experience as a technical lead, business analyst or project lead. Attendees should also have some Agile knowledge, including, but not limited to, the Agile Manifesto and the various agile methods.

Course Topics:
• Understanding Agile Project Manager Behavior
• Review of the Agile Manifesto and Methods
• The Essentials of:
  ○ Agile/Scrum
  ○ Project Management
  ○ Lean Thinking
• Understanding the importance of:
  ○ Being Customer Focus
  ○ Creating Value
  ○ Seeing Flow, Bottlenecks and Stress
• The Impact Lean-Agile techniques have on PMI’s
  ○ Five Project Management Process Groups
  ○ Nine Knowledge Areas

Learning Objectives:
Using a combination of interactive presentations, problem-solving exercises, and team-structured simulations, the Agile Project Management class will enable participants to understand:
• What is the right amount of effort to support planning activities
• How to
  ○ Improve your estimation accuracy and predictability
  ○ Assess risk
  ○ Assess team productivity & efficiency
  ○ Forecast completion
• As a project manager, understand how to apply lean thinking, Agile principles and Scrum techniques to a project management framework

PMI Registered Education Provider:
Attendees of this workshop are eligible to earn 14 PDUs.
## 1c. Hourly Rates:

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<td>Master Agile Development Methodology Coach</td>
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| Data Architect                       | • Responsible for overseeing the design evaluation, selection, implementation and support of major databases  
• Design and development of relational database management objects (tables, schemas, indexes, materialized views, partitions, stored procedures, macros, etc.), database design principles, data administration standards, and information security terminology  
• Design, implement and understand Dimensional Models/query tools  
• Reviews and evaluates database performance                                                                 | Bachelor of Science Degree                  | • Five (5) years experience in supervision of system/data analysts, use of structured analysis, design methodologies, design tools and other design techniques  
• Experience with the logical and physical data structures of large and complex information systems. |
| Agile Engineering Practices (AEP) SME| Responsibilities include:                                                             | Bachelor of Science degree or Master's degree in computer science | • Ten (10) or more years experience in development and technical architecture of large and complex information systems  
• Five (5) years experience in Agile Configuration and Test tools. |
| Sr. Systems Build Engineer           | Defines and implements the software build framework and tool set for a software development project.  
• Manages the compilation, assembly, and delivery of source code into a finished product or other potential software components. | Bachelor of Science Degree                  | • Seven (7) or more years experience in information systems design and development  
• Five (5) years hands on experience with configuration |
<table>
<thead>
<tr>
<th>Job Title</th>
<th>Job Responsibility</th>
<th>Minimum Education</th>
<th>Minimum Relevant Work Experience</th>
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| Sr. Programmer / Analyst     | Responsibilities include:  
  • Mentor staff  
  • Work closely with PM/BA, Software developers and customers to develop documented business requirements into technical design and code  
  • Develop and/or modify project and technical documentation as required  
  • Develop technical standards  
  On an agile project, translates user stories into production code through the use of test driven development and continuous refactoring. | Bachelor of Science Degree | Five (5) years experience with IT projects and technical development lifecycles.  
  • Two (2) years experience in mentoring other team members. |
| Software Tester              | Responsibilities for this position are as follows:  
  • Run Automated regression test scripts  
  • Analyze and Report regression test results and log defects  
  • Perform backend testing using simple and/or advanced SQL queries  
  • Designs, Develops and implements detail functional and Automation test plans  
  • Create test plans and test approaches  
  • Author executing and validating test cases  
  • Monitor and record results | Bachelor’s Degree | Three (3) years of Experience in Software testing and quality assurance  
  • Proficient in Microsoft applications such as Excel  
  • Superior Analytical skills  
  • Quality Tool experience |
| Technical Writer             | Responsibilities include the following:  
  • Create document control process, standards, and maintenance schedules for procedural documentation.  
  • Work with multiple departments and subject matter experts on document creation and retention for these procedures  
  • Participate in design sessions and interact closely with working groups and subject matter experts | Bachelor’s Degree | Two (2) years experience of document formatting and presentation techniques. Proficient in Word is required, Excel, and Visio preferred  
  • Two (2) years experience in translating a wide array of complex decisions and information into a series of simple, organized and rational steps. |
<table>
<thead>
<tr>
<th>Job Title</th>
<th>Job Responsibility</th>
<th>Minimum Education</th>
<th>Minimum Relevant Work Experience</th>
</tr>
</thead>
</table>
| Engagement Manager                    | • Creates strong customer relationships and manages the relationship focused on long-term relationships with repeat customer business.  
• Management of multiple projects at multiple locations  
• Develop team member skills  
• Responsibility for project financial accounting  
• Ability to apply strong business/technical experience, across several industries, serving as a trusted advisor  
• Ability to create and monitor risk assessments, impact analysis, continuity planning and program development  
• Consulting at the senior management level  
• Create and run training courses and presentations to senior executives and large groups | Bachelor's Degree | • Minimum five (5) years working with customers and establishing relationships.  
• Minimum 5 years working with client regulations and the PMO.  
• Extensive project management experience (7 years minimum). |
| Agile Project Manager (PM)            | Responsible for the overall IT project completion and client satisfaction:  
• Directs and mentors team members  
• Makes presentations when necessary  
• Interfaces with all areas affected in the scope of the project including end users, stakeholders, technical teams, etc.  
• Defines project goals and objectives  
• Develops detailed work plans including but not limited to project scheduling and budgets, estimates, resource plans, and status reports | Bachelor's Degree | • Five (5) or more years experience in technical project management functions  
• Three (3) years APM practical experience using Agile principles, practices, and methodologies such as Scrum, XP, Lean, FDD, DSDM, or Crystal in technical projects  
• Five (5) years of progressive accomplishment managing and implementing large, complex information systems. |
<p>| Agile Development Methodology Coach    | The Agile Coach is responsible for the ensuring that the Agile development practices are followed and adjusted as required. Specifically the coach is responsible for | Bachelor's Degree | • Five (5) years experience using Agile principles, practices, and methodologies such as Scrum, XP, Lean, FDD, |</p>
<table>
<thead>
<tr>
<th>Job Title</th>
<th>Job Responsibility</th>
<th>Minimum Education</th>
<th>Minimum Relevant Work Experience</th>
</tr>
</thead>
</table>
| Master Agile Development Methodology Coach | The Master Agile Coach will work with the PMO, Company and Government Regulators, Auditors, etc to instill agile development practices into these areas. If necessary, the Coach will train an "apprentice coach" in order to transition the necessary knowledge needed to expand the organization's internal capabilities. Training may also occur at the senior management, CIO levels. | Bachelor's Degree                | • Seven (7) or more years experience using Agile principles, practices, and methodologies such as Scrum, XP, Lean, FDD, DSDM, or Crystal in technical projects  
• Seven (7) years of progressive accomplishment managing and implementing large, complex information systems  
• Two (2) years of Program and Portfolio Management / Governance experience.  
• Two (2) years training experience |
| Scrum Master                          | Responsible for ensuring day to day agile development practices are being followed. Responsible for:  
• Facilitation of planning meetings, sprint/iteration reviews, and retrospectives -- the three essential Agile "ceremonies."  
• Tracking of agile development team metrics including velocity and burn down | Bachelor's Degree                | • Three (3) years experience using Agile principles, practices, and methodologies such as Scrum, XP, Lean, FDD, DSDM, or Crystal in technical projects  
• Five(5) years of progressive accomplishment managing and implementing large, complex information systems  
• Two (2) years training experience |
<table>
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<th>Job Responsibility</th>
<th>Minimum Education</th>
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<tr>
<td><strong>Business Analyst</strong></td>
<td>Responsible for the following:</td>
<td>Bachelor's Degree</td>
<td>Two to four (2-4) years experience with requirements/IT project analysis</td>
</tr>
<tr>
<td></td>
<td>• Facilitates requirements gathering sessions/interviews with end users, clients, and/or business representatives</td>
<td></td>
<td>• Business analysis project experience</td>
</tr>
<tr>
<td></td>
<td>• Documentation, review and/or design of IT specifications using various software design tools and at times can also review the product for quality</td>
<td></td>
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<tr>
<td></td>
<td>• Track specific aspects of the IT project and presents final product</td>
<td></td>
<td>• Two (2) years of using structured techniques for capturing and documenting requirements.</td>
</tr>
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</tr>
<tr>
<td><strong>Senior Business Analyst</strong></td>
<td>Responsibilities include:</td>
<td>Bachelor's Degree</td>
<td>Five (5) years experience with requirements/IT project analysis</td>
</tr>
<tr>
<td></td>
<td>• Manages requirements gathering sessions/interviews with end users, clients, and/or business representatives; responsible for fully-reviewed working requirements</td>
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<td></td>
<td>• Works with users/clients/business to understand the business environment and needs, and how IT will support those requirements</td>
<td></td>
<td>• Significant business analysis project experience</td>
</tr>
<tr>
<td></td>
<td>• Manages the documentation, review and/or design of IT specifications using various software design tools</td>
<td></td>
<td>• Five (5) years experience in using structured analysis techniques such as use cases and</td>
</tr>
<tr>
<td></td>
<td>• Manages other specific aspects of the IT project</td>
<td></td>
<td>structured data diagrams.</td>
</tr>
<tr>
<td><strong>Senior Data Architect</strong></td>
<td>Responsible for the following:</td>
<td>Master's Degree</td>
<td>Ten (10) or more years experience in supervision of system/data architects, use of structured</td>
</tr>
<tr>
<td></td>
<td>• Design of the data warehouse data storage strategy/technique</td>
<td></td>
<td>analysis, design methodologies, design tools and other design techniques</td>
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<tr>
<td></td>
<td>• Design and develop the architecture for all data warehousing components</td>
<td></td>
<td>• Experience with the logical and physical data structures of large and complex information</td>
</tr>
<tr>
<td></td>
<td>• Design and development of relational database management objects (tables, schemas, indexes, materialized views, partitions, stored procedures, macros, etc.), database design principles, data administration standards, and information security terminology</td>
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<tr>
<td></td>
<td>• Design and support data-marts and cubes for analytical reporting</td>
<td></td>
<td>systems</td>
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| Programmer / Analyst      | Responsible for software design and development:  
|                           | • Acts independently and as a team member on a project basis to analyze, specify and develop software  
|                           | • Involved in full systems development lifecycle, including systems analysis, requirements definition, design, development, support and testing  
|                           | • Responds to new requirements and enhancements, required by end users  
|                           |                                                                                                                                                    | Bachelor's Degree                | • Three (3) years experience with IT projects and technical development lifecycles.             |
| Software Architect        | Responsible for the overall supervision of the implementation for all of the specific aspects of architecture planning:  
|                           | • Supervises a team of Engineers or technical personnel working on highly complex IT architecture initiatives.  
|                           | • Works closely with product designers, users, and other stakeholders to satisfy requirements and meet operational needs.  
|                           | • Directs the overall delivery of the technical aspects of the software  
|                           | • Directs many, if not all aspects of the technical delivery, including design, development, testing, tools, and deployment  
|                           |                                                                                                                                                    | Bachelor's Degree                | • Five (5) or more years experience in supervision of system/data architects, use of structured analysis, design methodologies, design tools and other design techniques  
|                           |                                                                                                                                                    |                                  | • Experience with the logical and physical functional, operational and technical architecture of large and complex information systems             |
| Lead Software Architect   | Responsibilities include:  
|                           | • Conducts, leads and coordinates software development  
<p>|                           |                                                                                                                                                    | Master’s Degree                  | • Ten (10) or more years experience in supervision of system architects, use of structured analysis, design methodologies, |</p>
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<td>Technical Lead</td>
<td>Responsibilities include:</td>
<td>Bachelor's Degree</td>
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<td>• Analyzes business requirements; determining appropriate technical approach and developing specifications for implementation.</td>
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<td>• Significant experience in information systems design, development and integration</td>
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<td>• Works closely with the IT Operations staff to diagnose and resolve escalated technical issues in the production systems.</td>
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<td>Senior Software Tester</td>
<td>Responsibilities for this position include:</td>
<td>Bachelor's Degree</td>
<td>• Five (5) years of experience in software testing and quality assurance</td>
</tr>
<tr>
<td></td>
<td>• Investigates and resolves highly complex operational matters of significance in conjunction with other engineering and technical support to ensure cost effective and efficient resolution of problems.</td>
<td></td>
<td>• Four (4) years of experience in software testing and quality assurance</td>
</tr>
<tr>
<td></td>
<td>• Provides technical expertise and guidance in the design, development, implementation, and maintenance of test processes and diagnostic programs for system testing.</td>
<td></td>
<td>• Proficient in Microsoft applications such as excel</td>
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<td></td>
<td>• Consults with clients on highly complex systems determining systems requirements</td>
<td></td>
<td>• Successful demonstration of excellent analytical skills</td>
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<td>• Recommends processes and/or programs</td>
<td></td>
<td>• Experience working with various technologies</td>
</tr>
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<td></td>
<td>• Coordinates project team and follows through on implementation.</td>
<td></td>
<td>• Three (3) years experience working with automated quality tools</td>
</tr>
<tr>
<td></td>
<td>• Acts as liaison with outside suppliers in establishing or modifying specifications for purchased testing tools.</td>
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| **Senior Technical Lead** | Responsibilities include:  
• Analyzes business requirements; determining appropriate technical approach and developing specifications for implementation.  
• Interacts with the technical architects.  
• Defines application enhancement development efforts in close collaboration with the IT development team.  
• Leads technical design activities; producing sizing estimates; oversees application code development; conducts technical code reviews; and participates in all related software build and deployment activities.  
• Directs application performance tuning tasks; consults on testing plans  
• Oversees and ensures the teams compliance with IT policies & standards.  
• Works closely with the IT Operations staff to diagnose and resolve escalated technical issues in the production systems.  
• Interacts directly with the business users and the operations staff to address production related issues.  
• Expertise in at least one knowledge/specialty area (e.g., financial services, mobile applications, health care, etc.)  
• Knowledge of vertical industry regulatory compliance (e.g., Sarbanes-Oxley, FERPA, or HIPAA) | Bachelor's Degree | • Ten or more (10) years experience in leading technical projects  
• Significant experience in information systems design, development and integration |
| **UI Designer**         | Responsible for the design and development of the "look and feel" of a software application. The UI Designer needs to collaborate with the software application development team when necessary in order to fully satisfy client needs and requirements:  
• Responsible for the design and creation of all web-based GUI graphics and screens, along with any other GUI-related components | Bachelor's Degree | • Two to four (2-4) years experience in Graphical User Interface design and management  
• Significant experience in design, visual communications, or electronic media and/or multi-media design |
| **Senior UI Designer**  | Responsible for design and production of Web applications to include:                                                                                                                                               | Bachelor's Degree | • Five or more (5) years experience in Graphical Design and Production of Web Applications |


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|           | • Creates and communicates design deliverables such as design specifications, templates, storyboards, wire-frames, and personas  
• Design interactive prototypes according to business, brand, market, and user requirements  
• Low-fidelity models to demonstrate viability of concepts  
• High-fidelity prototypes to accompany functional specifications  
• Partner with engineering on the implementation of interactive techniques and technologies  
• Create functional wireframes to help build and improve the user experience with understanding of UI behaviors and effects. | | User Interface design and management  
• Significant experience in design, visual communications, or electronic media and/or multi-media design |

2. Maximum Order:
   a. Special Item Number 54151S - Information Technology Professional Services - $500,000:
   b. Special Item Number 611420 – Information Technology Training Courses - $250,000:

3. Minimum Order: $100

4. Geographic Coverage: 48 States & Washington, DC

5. Point of Production: Fairfax, VA

6/7. Discounts/Quantity Discounts: Prices shown are NET Prices.
   a. SIN 54151S (Professional Services) – CC Pace offers a 16% discount for the following two labor categories for 2 year contracts as follows:
      1. Data Architect: 2 year contract price - $113.00
      2. Sr. Programmer Analyst: 2 year contract price - $105.00
   b. SIN 611420 (Training) Additional discounts offered for advanced commitment of volume for certain classes as follows:
      1. For a client with an advanced commitment of a minimum of 15 days of training in a one year period, we charge $5,000 per day for the Scrum Team Training (STT) class only.
      2. For a client with an advanced commitment of 150+ days of training in a one year period we charge $12,000 for the Certified Scrum Master (CSM) class only.
      3. We offer training credits for our public classes based on the volume of Professional Services business. Client can accrue training funds up to $300/person that they can use towards public classes. For each staff month invoiced over the monthly average burn rate of 4 staff months, the client will receive a credit of $300 that can be applied to purchase training offered by CC Pace. The training credits will be accumulated monthly, and can be used at any time, in conjunction with other payment (if necessary) to cover the remaining costs of the desired training at the time. The training will be scheduled at a date/time that is
mutually agreeable to the client and CC Pace. Unused training credits expire one year after the applicable Work Order ends.

8. Prompt Payment Terms: Net 30 Days. Information Ordering Offices: Prompt Payment Terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign Items: N/A

10a. Time of Delivery: As negotiated.

10b. Expedited Delivery: N/A

10c. Overnight and 2-day delivery: N/A

10d. Urgent Requirements: N/A

11. F.O.B: Destination

12a. Ordering Address:
CC Pace Systems, Inc.
4100 Monument Corner Dr., Suite 410
Fairfax, VA 22030

12b. ORDERING PROCEDURES:
For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment Address: 4100 Monument Corner Dr., Suite 410
Fairfax, VA 22030


15. Export Packing Charges: N/A

16. Terms and conditions of rental, maintenance, and repair: N/A

17. Terms and conditions of installation: N/A

18a. Terms and conditions of repair parts indicating: N/A

18b. Terms and conditions for any other services: N/A

19. List of service and distribution points: N/A

20. List of participating dealers: N/A

21. Preventive maintenance: N/A

22a. Special attributes such as environmental attributes: N/A
22b. Section 508 compliance information: Section 508 compliance information is available on Electronic and Information Technology (EIT). The EIT standards can be found at: www.Section508.gov/.

23. UEI number: RCNRWPBTCB1

24. Registration in System for Award Management (SAM) database: Active