



Certified Scrum Developer



Learn to use a deliberate and disciplined approach to tackle development challenges and produce reliable, robust, and verifiable applications in three-day technical course that anchors the Certified Scrum Developer (CSD) designation.

- Learn to use a deliberate and disciplined approach to tackle any development challenge
- Learn to effectively support Agile development projects
- Acquire the skills needed to provide working applications to your customers faster
- Learn the skills necessary to write better code and test it for fewer defects

You will learn to use a deliberate and disciplined approach to tackle any development challenge and produce reliable, robust and verifiable applications. You will also learn how to effectively and confidently support Agile development projects by seeing how to quickly transform customer requirements into concise and verifiable development tasks, to accurately estimate timelines and to quickly produce strong results using Agile Engineering practices such as TDD, continuous integration, automated deployment, simple design and refactoring, pair programming, and collaborative test automation using Acceptance Test Driven Design (ATDD) and Behavioral Driven Design (BDD) techniques. Acquiring these skills will help you provide working applications to your customers faster and to write to today's requirements while preparing for tomorrow's changes

Please note that this 3-day workshop represents the technical aspect of a 5-day Certified Scrum Developer program. In order to complete the Certified Scrum Developer (CSD) certification, you must also complete the two day [Certified ScrumMaster Certification](#)^[1] course. There is no CSD exam. The instructor approves CSD certification based on in-class participation and skills demonstration.

Features

- Facilitated by thought leaders with a decade or more of real world Agile experience
- Real world content, not ivory-tower theory
- Interactive exercises that engage the attendees
- Provides skills to create world class systems

Who Should Attend

Developers, testers, architects and technical leads who have a basic understanding of good programming practices and want to take their skills to the next level.

Laptop Required

Attendees are also required to bring their own laptop to be able to complete the exercises.

The three-day technical course that anchors the Certified Scrum Developer (CSD) designation will satisfy the learning objectives outlined below.

Course Outline:

Scrum and Extreme Programming (XP) Overview

Review of Scrum principles followed by the study of XP, a highly disciplined style of software development with prescribed set of programming principles and practices, which is complementary to Scrum.

Architecture and Design Collaboration

Study of architecture and design, focusing primarily on the principles that better enable testability and ease refactoring:

- Standing up a typical Agile Development environment
- Principles of architecture and design practices on an Agile team
- Principles that enable testability and ease refactoring
- Emergent Architecture

Test Driven Development & Refactoring

Study of test-first development, including but not limited to the following concepts:

- Test driven development (TDD) as a design approach
- Red-green-refactor cycle
- Unit testing principles and practices
- What makes good tests/measuring test effectiveness
- Isolation tests using Mocks and Stubs

Continuous Integration

An introduction to the key practices of continuous integration, including but not limited to the following:

- Single command build
- Creating builds that are automated, self-testing, and fast
- The importance of a single source repository

Collaboration

An in-depth look at the way Agile teams work together. This includes, but is not limited to, the following concepts:

- Working together as one team
- Pair programming
- Test automation through collaboration

- Increasing visibility & automating deployment

Automated Testing

Study of agile testing principles and an introduction to the practice of multi-level automated testing, that includes

- Automated unit/integration testing
- Automated acceptance testing
- Acceptance Test Driven Development (ATDD)

Class Schedule:

Sign-In/Registration 7:30 - 8:30 a.m.

Morning Session 8:30 a.m. - 12:00 p.m.

Lunch 12:00 - 1:00 p.m.

Afternoon Session 1:00 - 5:00 p.m.

Times represent the typical daily schedule. Please confirm your schedule at registration.

Course Fee Includes:

- Tuition
- Course notebook
- Letter of completion

Upcoming Dates:

Your Location