

# Agile Software Developer Intensives

An exciting new way to quickly master Agile software development skills!

This immersive, multi-day program gives you the opportunity to apply advanced Scrum and XP development techniques by providing the experience of working on an Agile team to build the core of a major application.

In this two or three day follow-on to our [Agile Software Developer Essentials](#) course, you'll apply the principles and practices you learned there to an actual software project, which provides an ideal context for exploring critical Agile development practices to identify and solve a range of software problems.

Experiencing this fresh approach to software development will enable you to formulate the key questions for determining the best tradeoffs in your designs. You'll improve your ability to estimate work accurately and collaborate more effectively, making you a more-valued member of any development team. You'll discover how to build high quality software from stories in short iterations, rapidly emerging solutions through refactoring and test driven development. By the end of class, you'll have gained experience using a range of Agile development techniques and form productive work habits that will last a lifetime.

## Course Benefits

You will leave this training with practical, first-hand experience in using pair programming, test-first development, discovering design patterns, key refactoring, testing un-testable code, breaking dependencies, and many other techniques for building higher-quality software more rapidly, and with fewer defects.

The skills you acquire in this unique training will provide you with a foundation for success that will serve you in all your future development projects.



## Who Should Take This Course

This training is for software developers and all other members of development teams who have taken our [Agile Software Developer Essentials](#) training and want to apply the skills learned there to an actual, hands-on project. This course will benefit architects; designers; developers; development managers; product managers; software engineers/programmers; testers; technical analysts; technical leads; and QA engineers. Software-development skills in Java or C Sharp are required. Intensives are a great way to give a development team the full experience of rapidly delivering high-quality software in sprints.

## Agenda

### Day 1 – Test First Development

- Introduction
- Lab 1-A: Iteration Zero
- Lab 1-B: Writing the Test First

### Day 2 – Discovering Patterns

- Design Review
- Lab 2-A: Adding an Optional Behavior
- Lab 2-B: Adding Multiple Optional Behaviors

### Day 3 Advanced Techniques (Optional)

- Design Review
- Lab 3-A: Mocks and Shunts
- Lab 3-B: Refactoring Legacy Code

Except for daily debriefs and code reviews, this Intensive training consists entirely of programming exercises that you work on with other developers to build the core of a major application. Exercises are typically done in Java or C Sharp but other programming languages may be possible to use.

## Your Instructor



David Bernstein's continuing passion for software design and construction has led him to train more than 7,500 developers in the last 23 years for clients that have included Fortune 500 firms such as Microsoft, IBM, Yahoo!, Boeing, AT&T, Sprint, Medtronic, SunGard, State Farm, MetLife and Weyerhaeuser. As a longtime IBM consultant, David trained software engineers around the globe, giving them the skills to write the next generation of applications and operating-system software while earning one of the highest satisfaction ratings in the history of IBM education. Since 2006, he has devoted his consulting practice to providing organizations with training and coaching for software developers and teams transitioning to Agile and Scrum.

## Praise for this Training

“I was skeptical about TDD at first but now I'm convinced of its value. These practices give a good taste of TDD.”—*Karuna Pydipati, Senior Developer, StubHub*

“Definitely take it, no matter what your level. You will find it very useful.”—*Yem Huynh, Software Engineer, StubHub*

“Don't miss it, this TDD class will help.”—*Copal Patwa, Technical Lead, StubHub*

