

Crafting Quality Code

Duration – 40 Hours

Program Description

This program is designed to help software professionals develop the mindset, skills, and practices needed to write high-quality, maintainable, and efficient code. Focusing on both technical and behavioral aspects, participants will learn how to manage legacy code, make better technical decisions, and adopt a professional approach to software development.

Learning Goals

- Understand the principles of writing clean, maintainable code
- Develop a professional mindset towards software development
- Learn effective techniques for code reviews and refactoring
- Manage technical debt and maintain long-term code quality
- Apply critical thinking and problem-solving to software challenges
- Embrace systems thinking and behavioral aspects of change in development teams
- Commit to continuous improvement in coding practices

Course Topics

- The Professional: Dealing with Legacy Code
- Critical Thinking, Problem Solving and Decision Making
- A Programmer's Mindset: Building the Right Attitude
- Code Reviews, Clean Code and Refactoring
- Managing Technical Debt
- The Psychology of Change
- Systems Thinking Applied to Software Development
- Putting it All Together & Committing to the Change

Modules can be customized to suit client's specific needs and duration accordingly