

Modern Development

Description

This course discusses some of the leading topics of development from the experience of professional developers: Configuration management, Build systems, Modern QA and Team leading. It discusses when some of these tools and/or ideas help you do more and when and why they sometimes fail.

Duration 8 hours / 1 day

Intended Audience

- Anyone doing development
- Programmers, QA people, team leaders, managers.

Prerequisites

- Some development background

Outline

- Configuration management
 - comparing various tools (git, ClearCase, aegis, cvs, bitkeeper, subversion).
 - the most important principles of configuration management.
 - the most common mistakes that companies do when managing configuration.
 - free commit via reviewed commit.
 - size of development team and delegation of power.

- **Build system**
 - comparing various tools (make, cook, cmake, scons, maven).
 - treating your build system as a product.
 - making it possible to deliver the build system to a client.
 - holistic build systems.
 - easy to build -> easy to live.
 - build is NECESSARY for commit.
 - TEST is NECESSARY for build.
 - all parts of the build system to be committed to configuration.
- **Modern QA**
 - is a separate QA team necessary ?
 - when to bring in a separate QA team ?
 - QA within the code
 - * automatic testing.
 - * peer and management review.
 - * tools for automatic review.
 - * tools for test coverage.
 - * UI testing.
 - * web testing.
 - * ALL systems can be automatically tested.
- **Team leading**
 - “punishing” bad commits.
 - review.
 - deciding on technologies.
 - * keeping the number of technologies down.
 - * playing switch on technologies.
 - * automating the insertion of new technologies.
 - deciding on order of commits.
 - cleaning changes.

מבין לקוחותינו:

J.P.Morgan



Cal.



SONY



Qualcomm



harmonic

