trainitek

Effective Developer

This training will boost effectiveness in your team by teaching developers how to become better as an individual developer and as a member of the entire team. The course covers a variety of topics, including effective use of IDE, keeping the code clean and maintainable, code reviews, knowledge sharing, documentation management, keeping one's knowledge up-to-date, and more.

Audience: Junior, Mid and Senior Developers
Duration: 1-2 days
  - 1 day: Development environment, Developer's good habits, Communication in the team
  - 2 day: Code reviews, Pair programming, Writing documentation, Staying healthy
Format: 30% workshop / 70% lecture

Training program

1. Development environment
    a. IDE (Intellij IDEA) configuration, tips and tricks
    b. Email client configuration
    c. Automation of daily routines
    d. Tasks management and prioritization
2. Developer's good habits
    a. Following best practices
    b. Working with dependencies and assumptions
    c. Making technical choices
    d. Learning techniques over tools
    e. Staying focused
    f. Keeping knowledge up-to-date
3. Communication in the team
    a. Respecting everyone
    b. Learning from others
    c. Teaching others
4. Code reviews
    a. How to perform an effective code review?
    b. Code-review checklist
5. Pair programming
    a. Is it worth practicing?
    b. When and how to write code in pairs

6. Writing documentation
    a. An example of a good documentation structure
    b. Making documentation useful
    c. Code documentation
    d. Visualizing documentation
7. Staying healthy