PROBLEM STATEMENT –Vasilenko

Question to be resolved

How can the company effectively integrate AI Code Assistants into their software development process while minimizing security risks and maintaining code quality?

Underlying problem

- Rapid adoption of AI Code Assistants introduces security risks.
- Developers may over-rely on AI suggestions, neglecting code reviews.
- Lack of training on risks and best practices with AI Code Assistants.

Decision makers

- Chief Technology Officer (CTO)
- Head of Security Team
- Development Team Leads

Decision criteria

- Security compliance with industry standards (e.g., OWASP)
- Measurable productivity enhancement
- Maintenance of code quality and long-term maintainability
- Legal and ethical compliance
- Developer acceptance and ease of use

Solution constraints and scope

- No compromise on code security standards
- Limited budget for additional tools and training
- Implementation must not delay ongoing projects
- Compliance with legal regulations and licensing

Company context and situation

- Software development company focused on rapid innovation
- High emphasis on code quality and security due to customer demands
- Culture open to new technologies but cautious about risks
- Existing development processes and tools to be considered