Ai Based Software Code Security Analysis & Recommendation

The Problem We Wish to Solve

General Problem: All companies can struggle with code optimization and, since the developers are human, make mistakes. There are currently few solutions that provide insights to developers with clear, actionable recommendations for improvement.

Urgency: Cybersecurity threats are increasing rapidly, with new vulnerabilities discovered daily. The urgency to address software security is critical, as data breaches and exploits can cost organizations millions of dollars in losses, regulatory fines, and reputational damage. Addressing this issue now can prevent future attacks and build customer trust.

Team Contribution (Skillset): Our team brings proficiency in software engineering, cybersecurity principles, and secure coding practices. Together, we can design a solution that not only identifies weaknesses but also suggests actionable, developer-friendly fixes.

Intended Customer

Users: Software developers, DevOps engineers, and security teams who need to identify and resolve vulnerabilities during the development lifecycle. Buyers: Organizations that create or manage applications ranging from tech startups to midrange companies looking to strengthen the security of their employee-facing or customer-facing software.

Differentiation from Current Solutions

Top Three Alternatives:

1. Snyk AI – Provides vulnerability detection but limited tailored recommendations.

2. Zerothreat – Focused primarily on enterprise-level monitoring.

3. Qwiet AI – Detects risks but lacks an integrated secure coding knowledge base.

Unique Differentiator: Our solution not only detects vulnerabilities but also provides best-practice secure coding recommendations and automated fix suggestions. This

bridges the gap between identifying problems and empowering developers with actionable solutions making our tool both preventative and educational. Unlike competitors, our platform emphasizes continuous learning for developers while maintaining enterprise-grade security coverage.