

Noise Buster

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Problem Description



Traditional SCA tools (JFrog Xray) produce **hundreds** to **thousands** of vulnerability findings.

- A large portion of finding are **irrelevant** to real application use based on context

Goal: Reduce SCA Noise & Save Engineering Time

While preserving real security threats

Key Features

- Two-level AI filtering (context + security)
- Context-aware relevance scoring (0-10)
- Deterministic rule-based filtering
- Clear prioritization: must-fix vs. low-impact
- Fast & scalable backend (FastAPI)

Project Status & Usage

- Upload:** SCA (Xray) export & app source code.
- Process:** Run AI & rule-based analysis.
- Review:** Get prioritized findings & summaries.

Functional prototype validated on JFrog Xray for developers, security engineers, and tech management.

Main Idea

Noise Buster combines traditional SCA output with **source code context** and **multi-level AI** analysis to determine which vulnerabilities truly matter for a specific application.

Instead of asking „Is this vulnerability known?“

Noise Buster asks:

- „Is this vulnerability relevant in this application?“

Architecture



User Interface

