



JAROONA – AUTOMATED VULNERABILITY DETECTION AND REMEDIATION

Jaroonna's custom framework – the Jaroonna Vulnerability Framework – uses machine learning and deep learning to automatically detect and remediate software vulnerabilities from a wide range of causes. The framework is effective with centralized solutions, decentralized block-

chain technology and smart contracts written in multiple programming languages. With Jaroonna, organizations can achieve an unprecedented level of security protection at scale without placing a burden on internal development resources and without requiring particular security expertise.

Jaroonna's next generation automated Vulnerability Detection and Remediation cybersecurity solution provides the following advantages:

- 1 Protection of both centralized and decentralized applications and architectures
 - 2 Protection throughout the development lifecycle and at runtime
 - 3 Accurate and efficient detection and remediation of both publicly reported and zero-day vulnerabilities
 - 4 Automated Vulnerability Identification in APIs
 - 5 Possible use as an on-premise or cloud-based centralized SAST application protecting source code throughout the development lifecycle
- Jaroonna's Vulnerability Detection and Remediation solution continuously and automatically learns from millions of daily commits to ensure up-to-date coverage both from enterprise and blockchain projects.

→ If you are looking for efficient and accurate vulnerability detection in combination with automatic vulnerability remediation suggestions developed

by a team with more than 100 years of experience in Cybersecurity, AI and Deep Learning Networks – **get in touch with Jaroonna now**



ENTERPRISE APPLICATION SECURITY

Jaroona's Web 3.0 security for enterprise software outperforms all other commercially available solutions in every key metric: false positive rate, false negative rate, accuracy, speed, and scalability



Jaroona Enterprise Application Security

The Jaroona Enterprise Application Security (JEAS) solution is a ground-breaking tool that provides automated vulnerability detection and remediation suggestions for enterprise software. It leverages the power of deep learning networks to automatically learn from millions of vulnerabilities and thus outperforms all other solutions. Furthermore, it never loses its edge, as it continuously improves automatically.

The diversity, scale and semantics of the used vulnerability data greatly reduces the amount of false positives and false negatives. The JEAS solution can pinpoint vulnerabilities in target code on the basis of encoded and learned vulnerability patterns. Tested and proven JEAS is highly extensible and expands the current state of the art beyond what rule-based vulnerability detection solutions are able to achieve.

→ Its best-in-class performance is impressive



3.2%

(commercial industry average:
20 – 25%)

False Positive Rate

False Negative Rate

5.5%

(commercial industry average:
50 – 60%)

96.1%

(commercial industry average:
70 – 75%)

Accuracy

Precision

91.2%

(commercial industry average:
30 – 35%)

92.8%

(commercial industry average
35 – 40%)

F1 – measure