SHREYAS SRIRAM

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EDUCATION

Johns Hopkins University, Baltimore, MD December 2022
MS, Security Informatics *CGPA: 3.90/4.00*

WORK EXPERIENCE

Robinhood Markets Menlo Park, CA, USA
Security Software Engineer II *September 2024 - Present*

· Led multi-platform adaptation of tooling and workflows; enabled continuous security monitoring while maintaining productivity across teams and technology stacks
· Onboarded new Software Composition Analysis (SCA) solution with advanced reachability scanning capabilities; achieved 65% reduction in patching overhead by focusing on exploitable vulnerabilities, enabling faster remediation of critical vulnerabilities

Security Engineer II *March 2024 - September 2024*

· Introduced a comprehensive Security Maturity Framework, enabling unified visibility into the security posture through streamlined controls and intuitive dashboards; established a holistic view of organizational security and dramatically improved operational efficiency
· Accomplished a strategic risk reduction initiative through meticulous planning and cross-functional collaboration across multiple organizations; achieved a 92% reduction of AWS accounts in 4 months with zero service interruptions
· Conducted thorough security assessments of new AI products; uncovered and addressed critical flaws in prompt handling and data protection
· Triaged bug bounty submissions, assessed risk, prioritized remediation, and collaborated with engineering teams to coordinate disclosure and bounty rewards, ensuring efficient resolution of security vulnerabilities
· Owned secret scanning initiative across various pipelines; managed incident response for security events affecting 40+ services, coordinating rapid mitigation efforts across team
· Implemented shift-left by integrating security scanning into the pre-commit stage of the SDLC; resulted in an 83% reduction in security feedback cycle time

Security Engineer I *February 2023 - February 2024*

· Led Safety by Design initiative, conducting over 50 reviews in 5 months and uncovering several critical vulnerabilities through rigorous threat modeling and code review
· Designed metrics and dashboards for real-time visibility into security scanning pipelines; identified and addressed friction points, resulting in a 30% speed up in scan times and accurate reporting
· Upgraded security scanning tools by optimizing CI efficiency, expanding coverage and integrating additional security controls, resulting in substantial improvements to overall security posture

Salesforce San Francisco, CA, USA
Security Engineer Intern *May 2022 - August 2022*

· Collaborated with engineering teams to determine critical components in services; performed infrastructure security assessments and design reviews to identify and minimize risks through security controls
· Discovered and investigated a critical bug in an internal security tool; documented a detailed report and proposed a redesign of the algorithm resulting in a 90% reduction in potential security vulnerabilities
· Strengthened cloud security measures by implementing additional checks into existing security assurance tools for AWS infrastructure; resulted in improved security management and informed decision-making

TECHNICAL SKILLS

Development Technologies	Golang, Python, C++, Bash, JavaScript, Bazel, gRPC
Other Tools and Technologies	Git, GitHub Actions, Docker, Kubernetes, AWS
Security Tools and Concepts	Burp Suite, NMap, Wireshark, Metasploit, Semgrep, OWASP Top 10, IAM, Secure coding, Design review, Manual code review, Threat modeling, SSDLC, Security automation, Risk management, Security tooling, SAST, SCA, Web Security, Cloud security, Penetration testing, Cryptography

CERTIFICATIONS

Exploring Adversarial Machine Learning Feb 2025
NVIDIA Deep Learning Institute link