

SHREYAS SRIRAM

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WORK EXPERIENCE

Robinhood Canada

Senior Security Engineer

Toronto, Canada

November 2025 - Present

- **Building end-to-end LLM-driven workflows** to automate vulnerability triage and remediation, reducing manual triage load and enabling sub-linear scaling of the VM program
- **Directing cross-functional infrastructure roadmaps across 4 teams** to build automated security controls, reducing recurrence of systemic vulnerability classes

Security Software Engineer II

March 2024 - November 2025

- **Architected a unified vulnerability management platform and engineered a risk-scoring framework** that reprioritized 800k+ findings using EPSS, asset criticality, and reachability, achieving a 90% signal-to-noise ratio and restoring developer trust in security findings
- **Scaled the VM program across 4 M&A integrations** by establishing technical playbooks and standardizing high-severity triage
- **Led the design and rollout of short-lived identities** across 92% of the AWS fleet, coordinating with 25+ teams to eliminate long-lived credentials and reduce incident response liability by 280+ days
- **Re-engineered the developer security platform**, replacing legacy scripts with a high-performance engine that reduced latency by 83% and reclaimed **6,180+ monthly engineering hours**
- Implemented four guardrails — intent filtering, output validation, compliance screening, and context isolation — **eliminating critical injection and data exposure risks prior to GA launch** and enabling safe production deployment of LLM-powered features
- **Led a 3-engineer team** to architect a WebAuthn-based access platform, handling 26% of all corporate access requests and reclaiming 1,150+ monthly engineering hours
- **Remediated a credential leak affecting 40+ services**, authoring the response playbooks and secret infrastructure policies that reduced organizational MTTR from 14 days to 2 days

Security Engineer I

February 2023 - February 2024

- **Led the “Safety by Design” program**, partnering with product teams to conduct 50+ architectural reviews in 5 months and ensuring 100% pre-production remediation of high-priority risks

Salesforce

Security Engineer Intern

San Francisco, CA, USA

May 2022 - August 2022

- **Eliminated a 90% visibility gap** in global security scanning by identifying and fixing a systemic algorithm flaw; drove architectural redesign through production to ensure 100% code coverage across the enterprise

PUBLICATIONS & OPEN SOURCE

Building Security to Unlock Engineering Velocity: Technical blog on architecting developer-first security systems that balance strong controls with usability

Contributor - trufflesecurity/trufflehog: Implemented new secret detection engines to expand credential coverage in widely used open-source scanning tooling

Contributor - N0MoreSecr3ts/wraith: Added new capabilities and resolved critical detection flaw that previously missed 90% of exposed secrets

Dunsp4rce CTF Team (2020-2021): Web exploitation specialist; ranked 19th nationally (India) in 2020

EDUCATION

Johns Hopkins University, Baltimore, MD

MS, Security Informatics

December 2022

CGPA: 3.90/4.00

SKILLS

Languages & Infrastructure
Security Engineering

Golang, Python, Terraform, AWS, Kubernetes, Bazel, gRPC
Application Security, Vulnerability Management, Threat Modeling, IAM,
Secure SDLC, AI/LLM Security, Security Architecture

Security Operations

Incident Response, Risk Prioritization, Penetration Testing