Ryan Slama

RyanSlama.com
Github.com/glitched

Experience

Slack • Product Security

Senior Software Engineer	Jul 2022 - Present
Software Engineer II	Aug 2021 - Jul 2022
Software Engineer	Feb 2021 - Aug 2021
Associate Software Engineer	Apr 2020 - Feb 2021

• Played a key role in developing a high-performance sidecar using gRPC and Golang, vital for Slack's secure crypto operations. Sustained peak traffic of nearly 1 million requests per second

• Spearheaded overhaul of credential management patterns, reducing 9 credential reliability incidents in a quarter to 0 in the following quarter

• Engineered a real-time, distributed Kafka consumer in Golang that monitors logs for sensitive data, expediting detection and remediation

• Streamlined an AWS Route53 misconfiguration detection service, cutting scan times by 87% and halving false positives

• Revamped a user session security project under tight deadlines, using innovative techniques. Enhanced system performance, maintainability, testability, and extensibility

• Developed new 2FA library to reduce risk of improper use and rewrote/redesigned the frontend for our Typescript/React infrastructure

• Mentored junior engineers and also led my team's internship program, providing guidance, scoping, and structure to boost their productivity

Slack • Software Engineer Intern   Summer 2019

• Designed Flask service detecting vulnerabilities in dependencies

• Created frontend tracking findings and remediation status

Slack • Software Engineer Intern   Summer 2018

• Reached MVP 6 weeks ahead of schedule

• Built Vue/Flask service automating internal security review process

Goodyear • Software Engineer Intern   Summer 2017

• Developed an extensible, cascading authentication system

• Redesigned a global app homepage enhancing usability and accessibility

Conference Talks

DEF CON 28: App Sec Village

10,000 Dependencies Under the Sea

• Described internal tooling I built scanning for vulnerable dependencies

• Covered operationalization of processes to fix issues detected by the tool

LocoMocoSec 2020

Canary in the Datamines: Using Log Canary to find PII

• Shared tool design for detecting and alerting on sensitive data in logs

Education

Cornell University | Engineering

B.S. of Computer Science
Cum Laude, GPA 3.47 / 4
Graduated early, Dec. 2019
McMullen Engineering Scholar
Dean's List, last 4 of 7 semesters

Relevant Coursework

Functional Programming • Discrete Structures
Advanced Artificial Intelligence • Algorithms
Language & Information • Computer Vision
Data Driven Web Apps • Operating Systems
Digital Logic & Computer Organization

Kleiner Perkins Engineering Fellow

Selected as 1 of 48 from 3000 applicants for the fellowship in 2019

Skills

Languages
Go, Python, Typescript, Hack, Javascript

Frameworks
React, Redux, FastAPI, Flask, Express, gRPC

Databases
Postgres, MySQL, Vitess, Firebase

Observability
Open Telemetry, Honeycomb, Prometheus, Grafana (RED/USE)

Tools
Kubernetes, Docker, Kafka, Figma