RAGHAV GARG

SOFTWARE DEVELOPER ENGINEER

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WORK EXPERIENCE

Software Developer Engineer II

Postman (API platform for developers) | December 2020 - February 2024

- Led the year-long development to establish the domain of API Governance and API Security in Postman, collaborating with diverse teams including OpenAPI, API Platform, and Security teams. We onboarded 12(7 new) customers and **contributed to ~$400M in ARR growth** over the next two years.
- Launched and managed the development of **2 critical services**. The key innovation was the separation of rule management and rule enforcement services has laid a strong foundation for diversification and future use cases.
- Developed a secure sandbox module that executes user-provided JavaScript functions in an isolated thread with limited privileges, **preventing code injection and other vulnerabilities**.
- Designed the architecture for the Custom Functions feature, using a multi-AWS account setup, VPC Endpoints, and other security measures. This **sandboxing architecture** ensures user-defined function execution within isolated environments, guaranteeing data security and platform integrity.
- Created a security tool, helping customers by scanning API requests and responses for vulnerabilities, improving API security, and protecting sensitive data. We found **3 issues in Postman's APIs** and **~8 issues in customer's APIs** within the first month of launch.

Software Developer Engineer

Box8 (Food Delivery Startup) | May 2018 - December 2020

- Designed and developed the location caching mechanism in catalog micro-service for **retrieval** of serviceable outlet **in O(1) time** using Google PlusCodes and Redis.
- **Built a ruby gem** for Inter-Process Communication between different internal services using Kafka and Schema Registry.
- Worked on the HLD for migration of notification **micro-service out of the monolith** and optimized the Class Design(LLD) while following OOPs concepts.
- Set up the **deployment architecture** for the web **with zero downtime**, using various AWS services like Route53, CDN, S3, EC2, and Lambda.
- Developed a configurable Angular 8 **mono-repo for the web** to power multiple tenants.
- Migrated an AngularJS website to Angular8 and designed the LLD for **data flow with SSR** ability while using **HTML-cached responses in Redis**.
- Worked on the internal customer support software consisting of a Dialogflow bot which falls back to human agents, with the multi-panel chat web application using Socket.io.

ABOUT

A highly dedicated software developer with a strong focus on security and practicability with **6+ years experience**. Eager to tackle complex projects and make a significant impact within a dynamic team.

ACHIEVEMENTS

- Mentored a student in GSoC.
- Setup the team of 8 developers with rituals, workflows, frameworks, pipelines & tools.
- Assisted other teams in their nascent stages.

SKILLS

Node.JS

Webpack

Socket.IO

Encryption

Critical Thinking

Unix Based Systems

Amazon Web Services

Testing (Unit, Integration)

Event Driven Architectures

Relational/Non-Relational DB

EDUCATION

MAIT (2013 - 2017)

B.Tech in Information Technology

with GPA 70.6%