

RAGHAV GARG

SOFTWARE DEVELOPER

REACH OUT

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ABOUT

Highly dedicated software developer with a strong focus on security and practicability. Eager to tackle complex projects and make a significant impact within a dynamic team.

MINOR ACHIEVEMENTS

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

TECHNOLOGIES USED

- Node.JS
- Redis
- MQTT
- Socket.io
- Webpack
- Nginx
- Unix Based Systems
- Amazon Web Services
- Relational and Non-Relational DB

PROGRAMMING LANGUAGES

- Javascript (ES5, ES6)
- Typescript
- SQL
- C++
- Also worked in: Ruby, Python, JAVA, PHP

EDUCATION

MAIT (2013 - 2017)
B.Tech in Information Technology
with GPA 70.6%

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 teams 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 expansion and diversification for 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.
- Led the development of the Custom Functions feature, employing a multi-layered security approach through a multi-AWS account setup. This sandboxing architecture prioritizes user-defined function execution within isolated environments, guaranteeing data security and platform integrity.
- Created a security tool for Postman, helping users scan API requests and responses for vulnerabilities before deployment, improving API security, and protecting sensitive data.

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 monolith and optimised the Class Design(LLD) while following OOPs concepts.
- Setup the deployment architecture for web with zero downtime, using various AWS services like Route53, CDN, S3, EC2 & Lambda.
- Developed a configurable Angular 8 mono-repo for 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 customer support software consisting of a Dialogflow bot which fallback to human agents, with the multi-panel chat web application using Socket.io.

SOFTWARE DEVELOPER

SquareBoat Solutions (Service Company) | June 2017 - May 2018

- Worked on an in-house product called Spectrum, an AWS monitoring tool built over Cloudwatch with dashboard-like UI to trigger alerts in real-time with support of multiple AWS accounts.
- Developed a web app and designed a database system in PostgreSQL for Cedarwood to showcase its different services and generate dynamic PDF schedules based on different filters like centers, courses, teachers, and batch timings.