SARANG NAGPAL

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SUMMARY

An experienced software developer with a solid foundation in web development, and machine learning. Have implemented impactful features that streamline onboarding, boost payment resilience, and reduce latency. Previous roles include a back-end developer position at Raze, a B2B startup and a Software Development Engineer at Amazon focused on enhancing UPI accounts issuances, payment instrument onboarding and payment success rates.

SKILLS

Technical Skills	System Design, AWS, Web Development, CyberSecurity
Web Development	ReactJS, NodeJS, ExpressJS, Spring Boot, Java
Programming Languages	JavaScript, TypeScript, C++, Java, Python
Machine Learning	Tensorflow, Keras, Deep Learning

EXPERIENCE

Amazon, Payments
Software Development Engineer

Jan 2024 - Present
Bangalore, India

- Collaborated in a team to Implement Features to reduce number of Customer clicks by **100**% during onboarding, improving overall issuance metrics by **8**% and reducing latency by **50**%
- Improved Payment Success Rate by **5**% by Implementing Strategies to improve resiliency of **UPI Payments**
- Resolved Numerous Business papercuts and developer backlog queue items implementing **RESTful** APIs using **Java** and multiple **AWS Components**
- Designed and developed systems solving business problems while upgrading the frontend framework to build interactive web pages for mobile from **JSP** to **ReactJs** with **Redux**.

Raze
Back End Developer

Oct 2023 - Jan 2024
Bangalore, India

- Built In-House Central Asynchronous **Server to Server Communication** System, using RabbitMQ for the message queues between **RESTful** application servers
- Extended the design to incorporate Consumer Functions for the queues to perform various business applications in **serverless** manner
- Built **RESTful** APIs in Node.js using ExpressJS framework for various CRUD operations and business logic

Amazon, Payments
Software Development Engineer Intern

May 2022 - July 2022
Bangalore, India

- Built a back-end service in Spring Boot (**Java**) to test the resilience of Amazon Pay's core UPI service while working in an Agile Environment
- Achieved a **200**% increase in resilience metric for the core service by configuring **stress tests**

EDUCATION

National Institute of Technology, Warangal (**NITW**)   2019-2023
Bachelors of Technology, Electronics and Computer Engineering

- Problem Solving using Computer Programming
- Operating Systems