

SARANG NAGPAL

+91 9767853304 India

sarangnagpal0@gmail.com

[GitHub](#)

[LinkedIn](#)

[Portfolio](#)

Education

National Institute of Technology, Warangal (NITW)

Bachelors of Technology, Electronics and Communication Engineering

2019-2023

Warangal, India

Experience

Software Development Engineer

[Amazon](#)

Jan 2024 – Present

Bangalore, India

- Collaborated in a team to Implement Features to reduce number of Customer clicks by **50%** during onboarding, improving overall issuance metrics by **8%** and reducing latency by **40%**
- 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**.

Back End Developer Intern

[Raze](#)

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

Software Development Engineer Intern

[Amazon](#)

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**

Extra-Curricular

Lead Software Developer

[SpringSpree, NIT Warangal](#)

Feb 2023 - April 2023

Warangal, India

- Lead design and development of various subsystems used in Spring Spree for ticketing, payment and social media content creation
- Mentored a team of junior developers working in main tech stack of ReactJS, NodeJS and MongoDB

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

Summary

A Software Developer with experience designing and developing full stack applications which require high throughput and extremely high availability using various AWS services and custom Micro services.