Rahul Singh Sengar

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WORK EXPERIENCE

Software Development Engineer (SDE)

June 2021– Present

- Worked upon Microservices Architecture in node.js while devising custom notification engine for high volume requests to be used by high profile clients: Ultratech and Asian Paints. Implemented use of Load Balancers and cache layer in existing APIs to improve efficiency.

- Coordinated with cross functional design teams while having the responsibility to turn the wireframes and design files into reusable code components in front-end.

- Worked on development of Enterprise Solutions using Node.js along with following single table design pattern for project. Followed best practices of Backend Development.

- Worked on API lifecycle development, responsible for software development, coordinating with QA for Api testing and demonstrated good working knowledge in developing and deploying APIs.

- Currently Leading a team of 3 Sde Interns and one Software Engineer while understanding the business domain of the company to curate better ideas which results in more value generation in projects.

EDUCATION

Bachelor of Technology in Computer Science & Engineering.
ITM University

Graduation Year: April 2022
Grade: 8.0 cgpa

TECHNICAL SKILLS

Programming Languages:
Java, Python, C, JavaScript, RxJava, HTML

Databases:
SQL, NoSql, MongoDB, SQLite, PostgreSQL

Services:
Amazon Ec-2, Aws lambda, Heroku, git

Frameworks and Runtime:
Nodejs, express, Spring Boot, Tensorflow, Scikit-Learn

Verbal Languages:
English, Hindi, Spanish, Turkish

PROJECTS

Dynamic Engagement Rate Metrics for brands in Martech Domain:
Leveraged the use of blockchain to create a high security and usable over the egde cryptocurrency. Emphasized on security and used hashing algorithms like Sha256. Implemented using Java, gson along with opensource libraries like bounceycastle. System implemented in a decoupled format.

Virtual Personal Assistant:
Developed a virtual personal assistant using python, speech recognition and pyttx library. Deployed it as an api over Gcp AI Platform with a high precision and low recall metric. The endpoint for deployed was then further use within the application.

Realtime Online Chat Solution:
Developed a live chat solution using Socket.io module of node.js and express which enables users to chat with users in different rooms that are present over the server. The entire web application was deployed over aws on a Linux Ami with Cloudwatch logging and autoscaling enabled.