

Aayush Jain

E-mail: aayushjain1118@gmail.com | GitHub: [aayush1118](#) | LinkedIn: [profile](#)

Experience

Loconav India Private Limited

(07/2022 – Present)

Software Engineer

Hybrid, India

- Developed and implemented a new motion status detection system, achieving an **80% reduction in infrastructure costs**. **Simplified the caching system**, **enhanced detection accuracy**, improved latency, and migrated the database to TimescaleDB, **reducing storage requirements by 70%**.
- Developed real time data pipeline for data monetization to deliver probe data to clients **processing and filtering half billion events** daily based on each clients needs.
- Migrated APIs from **JDBI reflection-based DB queries to JDBC queries**, **improving memory usage by 50%**, and **reducing CPU load by 80%**.
- Developed Reverse geocoder which returns country code based on geo coordinates real time. **Throughput 1 Mil/sec**, **Accuracy 99.5%**. **Eliminating CPU spikes**, Reducing service **latency from ~5sec to 8ms**, eliminated recurring background job processing.
- Worked on profiling & optimizing existing apps, and consolidating apps without sacrificing consistency or availability, **resulting in decommissioning of 8 EC2 instances** in total.

MicroLearn Education Solutions

(03/2021 – 09/2021)

Full-Stack Developer Intern

Remote, India

- Worked as a full-stack web developer making the company's core website in MERN stack.
- Created front end in react based on UI designs for both mobile and desktop
- Created the RESTFUL APIs in backend using nodejs, mongoose, and express
- Implemented role-based authentication using JWT.
- Managed deployment on Netlify

Skill Inc

(07/2020 – 08/2020)

Backend Developer Intern

Remote, India

- Worked as a backend web developer intern making backend API
- Created RESTFUL APIs using firebase, nodejs, express.
- Worked on routing, database, and authorization using nodejs and firebase.

Skills

Programming Languages: Java, Python, JavaScript, Node.js, Bash

Tools & Technologies: Apache Kafka, Apache Maven, JUnit 5, Docker, Git, Prometheus, Grafana, SparkShell, AWS Athena, AWS CLI, Gehash, Postgres, Linux, Redis, Envoy Proxy, TimescaleDB

Education

Bachelor of Technology in Computer Science & Engineering

Maharaja Surajmal Institute of Technology

(07/2018 – 07/2022)