Paras Jain

jainparas7942@gmail.com | +91 7665408250 | linkedin.com/in/paras-jain-a8b0a0217

Summary

Proficient backend engineer with more than 2 years of experience in designing and developing scalable applications. Utilize **Java, Python SpringBoot, Microservices, AWS, PostgreSQL, JavaScript, Data Structures** and **Low Level System Design** to write scalable, secure code with a knack for **problem-solving**.

Education

INDIAN INSTITUTE OF TECHNOLOGY(BHU), VARANASI, UP   July 2019 – May 2023
- Bachelor's in Mechanical Engineering (CGPA 8.87/10)

Experience

Software Engineer, Netradyne | Bangalore   June 2023 – Present

Reporting Platform
- Reduced report generation time from **1 hour to 5 minutes** by designing effective indexes and optimizing complex SQL queries in **PostgreSQL**.
- Enhanced database performance with **indexing, data partitioning**, and query tuning for large-scale reporting workloads.
- Refactored **Airflow-based scheduling** to enable hourly dispatch across user time zones, improving modularity and global coverage.
- Automated failure detection with **S3 log uploads** and email alerts, significantly reducing issue resolution time.
- **Exposure**: Python, PostgreSQL, Apache Airflow, AWS S3.

License Assignment Service
- Built scalable **Java APIs** to automate license allocation workflows with secure, reliable, and retry-capable backend services.
- Developed a serverless architecture using **AWS Lambda** and **SQS** to enable **asynchronous**, parallel license assignments with minimal infrastructure overhead.
- Improved reliability and test coverage by enforcing clean code practices and integrating continuous testing in Jenkins CI/CD pipelines.
- **Exposure**: Java, Spring Boot, AWS Lambda, AWS SQS, PostgreSQL, REST APIs, Jenkins.

Projects

Role-Based Access & Authentication System | JWT, Node.js, MongoDB
- Developed backend for a secure **role-based access** control system for an eCommerce platform.
- Implemented token-based authentication using **JWT** and secured passwords with **bcryptjs**.
- Built a modular backend architecture with **Node.js** and **MongoDB**.

Technologies

Languages: Java, Python, C++, SQL
Technologies: Spring Boot, Apache Airflow, AWS Lambda, AWS SQS, PostgreSQL, JWT, Git
Areas of Interest: Data Structures and Algorithms, Object-Oriented Programming, System Design

Achievements and Leadership

- **Netrastar's Silent Hero Award** & **Dream Team Award** - Honored by Netradyne for exceptional performance, innovative spirit, collaboration and consistent ownership with significant impact.
- **Co-Convenor & Student Manager**, IIT (BHU) Sattvik Mess - Organized campus fest *Sattvikoham* promoting sattvik living; managed daily operations serving 500+ students; featured in *Times of India*.