

Java Backend Engineer | 2 YOE | Spring Boot, REST APIs, PostgreSQL | CI/CD | Kafka | AWS Cloud Monitoring | DSA 700+ Experience

Software Engineer – Western Union Jan 23 - Present

- Enhanced Transactional API Systems by improving SMS notification services across 6 countries, increasing reliability and user engagement for international transactions.
- Streamlined** CI/CD pipelines using **CloudBees** and **Spinnaker**, leading to **85%+ successful AWS deployments** with **zero downtime** during peak hours.
- Leveraged** DevOps tools (**Git**, **JUnit**, **Mockito**) to automate **80% of Unit Testing** and ensure clean code integration, accelerating release cycles by **30%**
- Monitored Post-Deployment Performance via AWS CloudWatch, proactively identifying and resolving production issues, ensuring consistent feature functionality and minimizing service disruptions.
- Resolved** critical production failures by managing pipeline **rollbacks** and leading **10+ war room sessions**, minimizing incident resolution time by **60%** and preserving customer trust pillar followed in Org.
- Tech Stack:** Java | PostgreSQL | Spring Boot | AWS CloudWatch | CloudBees | Spinnaker | Git | JUnit

SWE Intern – Bytelearn Sept 22 - Jan 23

- Implemented** backend logic for dynamic chatbot categorization, reducing manual problem-feeding efforts by **up to 95%**, significantly improving scalability.
- Developed** reusable **Python utilities** and **unit tests** to support **Jinja-based problem handling** across **10+ categories**, ensuring high test coverage and robustness.
- Integrated** a modular **templating architecture** to dynamically process similar math problems, boosting backend efficiency and **increasing team velocity by 30%**.
- Tech Stack:** Python | Jinja | HTML | Git | JavaScript | VsCode

Technical Skills

- Languages :** C++ | Java | SQL | JavaScript
- Frameworks:** Spring Boot | JUnit | Mockito
- Construct:** DSA | OOPs | DBMS | OS | CN | Microservices | CI/CD | System Design
- DevOps:** Git | Postman | Jira | JUnit | Jenkins | CloudWatch | Spinnaker
- Databases:** PostgreSQL | MySQL | MongoDB | Redis
- Others:** Kafka, REST APIs, JWT, Agile

Technical Projects

Fraud Resolution Microservice (Western Union) March 25- Present

- Designed** and **implemented** a scalable microservice using **Java**, **Spring Boot**, and **REST APIs** to handle fraud resolution requests, facilitating secure metadata exchange between Western Union and payment providers (Visa/MasterCard).
- Integrated** caching mechanisms using **Redis (in-memory data store)** to temporarily store user credentials and session metadata, resulting in a **60%+ reduction** in redundant **PostgreSQL** database queries and significantly improving backend performance.
- Optimized** fraud investigation API response time by **90%**, bringing it down from ~2 seconds to ~200ms for subsequent calls, enhancing user experience and operational efficiency.
- Collaborated** cross-functionally with third-party vendors and internal teams to **streamline** transaction validation workflows using **JWT-based authentication**, **secure APIs**, and **session management** strategies.
- Tech Stack** - Java | Spring Boot | PostgreSQL | Kafka | REST APIs | JWT | Redis | CI/CD | Git | JUnit

ToDoRacer App (Personal) April 25 - Present

- Engineered** a secure, modular RESTful backend using **Java**, **Spring Boot**, and **PostgreSQL**, enabling robust task management with **JWT-based authentication** and **Role Based Access Control** for **CRUD** Operations.
- Orchestrated** daily user-specific email notifications using **Google SMTP**, dynamic cron scheduling, and **Kafka-based async messaging**, configurable via user preferences.
- Developed** gamified logic for a “Procrastinator ToDo Race” with leaderboard APIs ranking users by task completion.
- Automated** CI/CD workflows using **GitHub Actions** to run unit tests & enforce code quality.
- Architecting** advanced features which are in progress including a **rate-limiting module**, **friend/unfriend connection system** and **Google OAuth2.0 authentication** to streamline user onboarding alongside JWT auth.
- Tech Stack** - Java | Spring Boot | PostgreSQL | JWT | RBAC | Apache Kafka | Git ([Repository](#))

Education

Lucknow 226021, India	Institute of Engineering and Technology	Aug 2019 - May 2023
Bachelor of Technology	Information Technology	8.10 CGPA