

Subhro Majumder

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Bangalore, India

Summary

Software Engineer with **3+ years of experience** designing and building scalable backend and web systems. Strong in **distributed systems, microservices, REST APIs, Kafka-based event-driven architectures, and observability**. Experienced in building production-grade systems focusing on **reliability, idempotency, and system design**. Targeting **SDE-2 / Backend Engineer** roles.

Technical Skills

Languages	Java, C++, JavaScript, TypeScript
Backend	Spring Boot, REST APIs, Kafka, JPA/Hibernate
Frontend	Angular, HTML, CSS, Bootstrap
Databases	MySQL, PostgreSQL
System Design	Microservices, Saga Pattern, Transactional Outbox, Idempotency
Observability	OpenTelemetry, Prometheus, Grafana, Distributed Tracing
Tools	Git, Docker, Linux, Maven

Work Experience

Software Engineer — UnitedLayer Apr 2023 – Present
Remote

- Built and maintained enterprise dashboards using **Angular**, integrating multiple backend APIs.
- Improved application reliability and UX consistency through structured API integration and debugging.

Research Engineer — LG Soft India Jun 2022 – Feb 2023
Bangalore

- Developed **C++ plugins** for LG Smart TVs supporting targeted advertisement workflows.
- Increased **unit test coverage from 65% to 91%** using GTest; resolved flaky test cases.

Projects

FleetX — Distributed Logistics Platform GitHub

- Designed a **microservices-based logistics system** simulating real-world parcel transportation.
- Implemented **Saga Choreography** for order lifecycle coordination across services.
- Used **Transactional Outbox Pattern** to ensure reliable Kafka event publishing and avoid dual writes.
- Built **idempotent consumers** to safely handle duplicate and retried events.
- Integrated **OpenTelemetry** for distributed tracing with Prometheus and Grafana dashboards.

Achievements

- Awarded **Rising Star** at UnitedLayer **twice** for high-impact contributions and consistent performance.
- Solved **500+ DSA problems** across platforms including LeetCode, covering arrays, trees, graphs, and dynamic programming.

Education

B.E. Computer Science and Engineering — JSS Academy of Technical Education, Bangalore 2018 – 2022
GPA: 8.05 / 10
Senior Secondary (XII), DAV Model School, Durgapur — 83.33%