

pritom-gangarampur

Software Engineer

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SUMMARY

Software Engineer with background in developing microservices, micro-frontends, and real-time platforms. Experienced in leveraging Java, Spring Boot, Python, and cloud infrastructure to deliver scalable enterprise solutions. Proven track record in full-stack development, query optimization, and DevOps support across major projects.

EXPERIENCE

System Engineer

Tata Consultancy Services (TCS)

Jul 2024 – Present

- Architected Java and Spring Boot microservices for TCS BaNCS, streamlining policy lifecycle management, claims processing, and automated batch jobs.
- Engineered an Angular micro-frontend paired with a Drools decision engine to enable dynamic premium calculations.
- Built a Python and FastAPI PII Data Discovery Platform to ensure enterprise DPDP 2023 regulatory compliance.
- Implemented contactless claim flows and secured APIs using Keycloak and Spring Security access controls.
- Optimized database queries and provided ongoing Kubernetes and AWS DevOps support.

Software Developer Intern

Horizon Broadband Pvt. Ltd.

Sep 2023 – Mar 2024

- Developed a robust subscription payment module supporting Google Play in-app billing and payment gateway integrations for an OTT app serving 1M+ active users.
- Integrated Firebase Crashlytics and Analytics to monitor application performance and user engagement.
- Reduced app startup time through targeted performance optimizations.

EDUCATION

University of Engineering and Management, Kolkata · B.Tech · 2024

SKILLS

Languages and Frameworks: C++, HTML, Java, JavaScript, Jupyter Notebook, Kotlin, Python, SQL, TypeScript, Angular, CSS3, FastAPI, Hibernate, HTML5, JPA, LangChain, LangGraph, React, RxJS, Spring Boot, Spring MVC, Spring Security

Databases: MongoDB, Oracle, PostgreSQL, Redis, Vector Databases

Tools: AWS, Docker, Drools, Firebase Analytics, Firebase Crashlytics, Git, Jenkins, JUnit, Keycloak, Kubernetes, Linux, Microservices, Mockito, OpenAPI/Swagger, RAG, REST, Testcontainers, WebSockets

PROJECTS

VaultChat – Secure Real-Time Messaging Platform

Built a Spring Boot backend with REST endpoints for authentication and key registration, alongside a WebSocket layer for real-time message routing and a React frontend. Implemented hybrid end-to-end encryption leveraging AES-256 and RSA-2048 alongside JWT authentication. Designed real-time WebSocket communication channels integrated with a responsive React user interface.

Java, Spring Boot, WebSockets, AES-256, RSA-2048, React, JWT

AWARDS

Problem Solving, Hackathon