Priyambada Roul

SOFTWARE ENGINEER

Bangalore, India

📞 +91 8421366208 | ✉ priyaroul99@gmail.com | 🔗 roulpriya | in priyambadaroul

Skills

Languages	Java, Python, SQL, JavaScript
Frameworks & Tools	Spring Boot, MSSQL, PostgreSQL, Snowflake, Grafana, IBM MQ, Kafka, J2EE, Prometheus, Kubernetes

Experience

Baton Systems *Chennai*
SOFTWARE ENGINEER — *July 2022 - present*

- Developed and optimized multiple services for large-scale payment settlement platforms on the SWIFT network, currently in use with numerous large banks worldwide.
- Developed a library for event-sourcing based data-replication between different microservices.
- Led a team to design and develop a complex settlement and reconciliation system, supporting various approval and payment-matching strategies and processing a million cashflows per day.
- Developed and implemented configuration service, enabling RESTful API access to settlement configurations on demand and efficiently utilizing message queues to notify other services of configuration changes using Java and Spring Boot.
- Designed and implemented a reusable role-based authorization system using Spring AOP and JWT, enhancing security across multiple services. Developed it as a library, enabling seamless integration and code reuse across various projects.
- Implemented performance optimizations in services to achieve high QPS rates and minimize costly database lookups by introducing Redis caching with synchronization mechanisms.

Accenture *Bangalore*
SOFTWARE ENGINEER — *September 2021 - June 2022*

- Developed services in NodeJS for ingesting clinical study data.
- Worked with data engineering teams to investigate and debug data quality incidents in Snowflake.
- Configured and maintained Informatica workflows for ETL pipelines for data ingestion into Snowflake on AWS.

Subconscious Compute *Bangalore*
SOFTWARE ENGINEER (INTERN) — *November 2020 - April 2021*

- Developed a service for extracting voice samples from incoming audio streams using the ZCR algorithm implemented in Python and FastAPI.
- Created Grafana dashboards for monitoring using Cassandra as the source

Education

Shivaji University *Kolhapur, Maharashtra*
B.TECH IN COMPUTER SCIENCE AND TECHNOLOGY — *June 2021*

Courses: Machine Learning, Operating Systems, Computer Networks, DSA

Projects

Code Radar 🔗 *code_radar*
PERSONAL PROJECT — *May 2024*

- A platform for continuous inspection for code-quality, security vulnerabilities and issues in code.
- Designed to be configurable and interoperable with popular SAST and linters, providing direct control of quality checks to developers.
- Helps in centralizing and standardizing code quality settings across repositories.

CLI Assistant 🔗 *cli-assistant*
PERSONAL PROJECT — *February 2024*

- Developed an assistant CLI using LLaMA models on Anyscale endpoints in Java. It responds to different stored prompts, providing contextualized results efficiently.

Private Package Repository 🔗 *package-repository*
PERSONAL PROJECT — *May 2023*

- Developed a maven-compatible repository to host private maven artifacts.
- Implemented the maven repository protocol using Java and Spring Boot.