

Priyal Vyas

✉ priyalvyas.work@gmail.com ☎ 9137609737 📍 Mumbai 🌐 Priyal Vyas

🧠 SKILLS

Java • Java 8 • OOPS • Data Structures & Algorithms • Collections • Multithreading • Spring MVC • Spring Boot • Hibernate (JPA) • RESTful APIs • Microservices • SQL • PostgreSQL • Redis • Kafka • JUnit • Mockito • Maven • Git • GitHub • JSP • Angular • Docker

📁 WORK EXPERIENCE

Tata Consultancy Services

Nov 2023 – Present

System Engineer (Digital Cadre)

- Designed and implemented a **high-performance Kafka messaging solution**, optimizing real-time data flow across **5+ microservices** and reducing system response time by **40%**.
- Built a **centralized caching layer** using **Spring Cache with Redis**, improving microservices performance and reducing database load by **60%**.
- Implemented **encrypted storage** for **PII data** using **Spring Data JPA**, ensuring compliance with data security standards.
- Developed **web pages using Angular**, including **dynamic forms** and **component-based layouts** for internal tools and dashboards.
- Implemented **audit logging** for **Central Trust Bank** using **Hibernate Envers**, enabling **field-level change tracking** and adding custom conditions via **JPA entity listeners** for compliance and audit efficiency.
- Designed and delivered a **custom workflow** for **National Bank of Bahrain (NBB)** using **TCS's rule engine and Java**, enabling dynamic business rule execution tailored to client needs.

Assistant System Engineer

Jul 2022 – Nov 2023

- **Led production support** for the **TCS BaNCS** platform, investigating and resolving high-priority incidents using Java debugging, thread dumps, and log analysis – reduced recurring bugs by **80%** through proactive root cause analysis.
- **Implemented Log4j2 data masking** using custom Java filters and regex patterns, ensuring secure logging of sensitive fields and improving log compliance standards by **50%**.
- **Redesigned internal UI workflows** using JSP and Spring MVC, enabling business analysts to interact directly with the rule engine – eliminated developer bottlenecks and reduced delivery time for business rule updates.
- Built and maintained **client-specific features** using Java, Spring Boot, and SQL; conducted multiple **Proof-of-Concepts (PoCs)** for proposed enhancements, influencing architecture and implementation decisions.
- **Optimized complex SQL queries and integrated advanced indexing techniques** to improve backend search response time by **70%**, reducing overall database load and enhancing user experience.
- Developed and consumed **RESTful APIs** using Spring Boot, integrating with third-party systems using RestTemplate and HttpClient, and applying best practices like exception handling, retries, and circuit breakers.

Kreartors Pvt Ltd

Jul 2020 – Aug 2020

Web Designer Intern

- **Developed responsive web pages** using HTML, CSS, JavaScript, and Bootstrap, ensuring **cross-browser compatibility** and delivering high-quality designs on time.

🎓 EDUCATION

Bachelor of Engineering in Computer Science - 9.24 C.G.P.A

Jul 2018 – May 2022

Mumbai University

🏆 AWARD

Star of the Month - July 2023

- Enhanced the rule engine's user interface, significantly improving user experience and satisfaction.

Star of the Month - February 2024

- Implemented the Outbox Pattern for Kafka, ensuring data consistency and system reliability.