

CHANDANA VANAM

Software Engineer (SDE-2) with 4 years of experience building scalable backend and full-stack applications.

+91 9963143042 | vchandana2304@gmail.com | linkedin.com/in/chandana-vanam | github.com/VChandana

Experience

Deutsche Bank

July 2022 – Present

Software Engineer 2

Mar 2025 – Present

Core contributor to the modernization of Deutsche Bank's legacy wealth management platform (DWO → DWO 2.0), helping transform it into a scalable microservices-driven architecture that improved system resilience, maintainability, and operational efficiency.

- **Authentication:** Designed and implemented **JWT-based authentication** and stateless session management with filter-based token validation, enabling secure inter-service communication and consistent API access across microservices.
- **Service Design:** Designed and implemented **two Spring Boot microservices** to centralize shared business capabilities, reducing code duplication and improving service maintainability.
- **Architecture:** Modularized microservices into well-defined layers with encapsulated business logic, improving separation of concerns and maintainability, and consolidated redundant services to reduce codebase size by **20%** and simplify service architecture.
- **Developer Productivity:** Developed a custom Maven archetype with base implementations and standardized configurations, reducing micro-service bootstrapping time by **50%** and boosting team productivity and consistency.
- **Micro-Frontend Architecture:** Developed and integrated React-based micro-frontends with backend REST APIs using RTK Query and Redux Toolkit, leveraging Webpack Module Federation for independent deployment and seamless integration across the application.
- **UI Component System:** Designed and developed reusable UI components, screens, and modules using a shared design system, reducing development effort by 15–20% while improving consistency and maintainability across micro-frontends.

Software Engineer 1

Jul 2022 – Mar 2025

- **API Performance:** Refactored endpoints across **15+ Spring Boot microservices**, improving scalability, maintainability, and response times, resulting in **3x** faster performance in high-traffic workflows.
- **Database Optimisation:** Optimized database schema design, indexing strategies, and SQL queries, improving data retrieval efficiency by **20–30%**.
- **Zero-Downtime API Migration:** Led the migration of **30+ legacy APIs** to a new API publisher across multiple environments, ensuring seamless transitions through validation, integration testing, and release verification with zero downtime.
- **Production Reliability:** Strengthened system reliability and availability through proactive log analysis, root cause identification, and resolution of critical production bottlenecks, reducing production defects and addressing release blockers.
- **OSS Security Compliance:** Remediated OSS vulnerabilities across **30+ microservices**, mitigating security risks and ensuring **100% compliance** with organizational security standards.
- **CI/CD & Release Stability:** Partnered with DevOps and infrastructure teams to optimize deployment workflows and CI/CD processes, reducing environment-related issues by ~15% during major releases.

Technical Skills

Languages: Java, SQL, JavaScript, C++, C

Backend: Spring Boot, Microservices, REST APIs, Kafka

Frontend: React, Redux Toolkit, RTK Query

Cloud & Tools: AWS, Maven, Git, GitHub, Postman

Education

National Institute Of Technology Bhopal (MANIT BHOPAL)

Aug 2018 – April 2022

B.Tech in Electronics and Communication — CGPA: 8.0/10

Bhopal, M.P

Projects

E-Commerce App | Java, Spring Boot, React, Redux, MySQL

[GitHub](#)

- Developed a full-stack e-commerce platform (ShopCart Pro) using Java (Spring Boot) and React with JWT-based authentication and role management.
- Built a responsive UI with React, Redux Toolkit, and Tailwind CSS featuring persistent cart state and order dashboards.

URL Safety Checker | Java, Spring Boot, MySQL

[GitHub](#)

- Built a Safe Browsing-style microservice that classifies URLs as *Safe*, *Suspicious*, or *Malicious* using blacklist checks, redirect crawling, and heuristic scoring.