

Swapnil Bhosale

Software Engineer

+91-9146102377 | [Linkedin](#) | [Github](#) | [Leetcode](#) | [My Portfolio](#) | bswapnil699@gmail.com

SKILLS

- **Programming Languages** : Java, SQL
- **Libraries and Frameworks** : Spring Boot, Hibernate, Spring, Redis, Apache Kafka, Spring Security
- **Tools** : MySQL, PostgreSQL, AWS, Git, GitHub, Maven, Docker
- **Other Skills** : System Design, Microservices, Data Structures and Algorithms, Design Patterns, RESTful APIs

EXPERIENCE

Software Development Engineer (Backend)

Jan 2022 - Dec 2023

Profinch Solutions Pvt. Ltd

Bengaluru

- Designed and developed RESTful APIs for seamless communication between frontend and backend.
- Optimized PostgreSQL schema design, resulting in a 35% reduction in report generation time and significantly enhancing overall application performance.
- Leveraged Spring Boot to address 30% of issues in the UBCI Project, boosting backend efficiency and contributing to project success.
- Implemented automated testing strategies, increasing code coverage by 40% and reducing bug rate.

Engineering Intern

Mar 2021 - Mar 2022

Mazagon Dock Shipbuilders Limited

Mumbai

- Collaborated with naval engineers on the INS Nilgiri project, contributing 15% of wiring designs, which enabled timely vessel delivery post a 6-month delay.
- Spearheaded initiatives that generated 20% revenue growth by implementing innovative solutions.

PROJECTS

Smart Contact Manager | Java, Spring Boot, JPA, MySQL, Microservices

<https://github.com/swapnil699/Contact-management.git>

- Engineered a Smart Contact Management system featuring secure **user authentication** and profile management.
- CRUD operations for contacts with advanced search functionality and pagination for seamless management.
- Robust **password management system with change password** and OTP-based forgot password workflows.
- profile update feature to allow **users to manage personal details** and profile pictures seamlessly.

E-Commerce Application | Java, Spring Boot, JPA, MySQL, Microservices

<https://github.com/swapnil699/E-Commerce-Application-Java-Spring-Boot-JPA-MySQL-Microservices.git>

- Developed and integrated over **4 microservices** to streamline **user management**, **product cataloging**, and **payment processing**, resulting in an enhanced user experience.
- Implemented **Stripe payment gateway integration** and **OAuth 2.0 authentication for secure transactions**.
- Integrated Redis caching to optimize performance, improving response times from 500ms to 20ms.
- Engineered an **event driven email service** using **Kafka for real-time notifications**.
- Applied paging, sorting, searching and deployed the application in AWS EBS.

Scalable Notificaton Application

<https://github.com/swapnil699/scalable-notificaton-application.git>

- **Designed and implemented a Scalable Notification System** supporting Email, SMS, and Push Notifications, leveraging **Apache Kafka for event streaming** and Redis for caching, ensuring high-throughput messaging.
- **Defined a priority-based queuing mechanism for efficient message delivery, integrated user preferences and duplicate prevention using message hashing.**
- **Integrated Twilio for SMS delivery** and built RESTful APIs for **real-time notification broadcasting**, ensuring rate-limited, asynchronous processing for scalability.

ACHIEVEMENTS

- Solved over **625+ DSA challenges** at Scaler Academy, consistently ranking within the **top 10% of learners**.
- **4 badges** and solved **550+ problems on LeetCode**.

EDUCATION

Scaler

2024

Specialized in Software Development & Problem Solving

Coursework: Data structures and Algorithms, Low-Level Design (LLD), High-Level Design (HLD), Java Backend

Ashokrao Mane Group of Institutions

2021

BE/B.Tech/BS | 7.8 CGPA