

# Yash Mhatre

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## EXPERIENCE

### Systems Engineer

Tata Consultancy Services Ltd

July 2022 - Present, Bengaluru

- Developed and maintained **scalable backend systems** using **Java, Spring Boot, and Spring Framework**.
- Designed and implemented **RESTful APIs** with a focus on performance, scalability, and maintainability, **reducing API response times by 30%**.
- Utilized **Docker** and **Kubernetes** for containerization and orchestration of microservices, improving deployment efficiency.
- Wrote comprehensive unit and integration tests, ensuring code reliability and maintainability, and **achieved 95% test coverage**.
- Managed deployments to UAT and prod regions, ensuring high availability of critical applications.
- Optimized database queries** and implemented caching mechanisms (**Redis**) to reduce latency and improve application performance.
- Actively participated in code reviews, providing constructive feedback to maintain code quality and best practices.
- Collaborated in Agile environments using **Scrum and Kanban** methodologies, contributing to sprint planning, daily stand-ups, and retrospectives.
- Developed responsive user interfaces using **HTML, CSS, JavaScript, and React**. Built **reusable React components** and implemented state management using **Context API** for application consistency.
- Integrated RESTful APIs with React frontend to fetch and display data, ensuring seamless data flow between backend and frontend systems.

## PROJECTS

### Ecommerce Microservice

Personal • February 2025 - Present

- Developed a scalable microservice-based e-commerce system using **Spring Boot, Java, and Hibernate**, with **MySQL** for data persistence and **Docker** for containerization, deployed on **AWS ECS**.
- Enabled **inter-service communication via gRPC** for high-performance RPC and utilized **Kafka** for asynchronous event-driven workflows (e.g., order processing, notifications).
- Implemented **JWT-based authentication** for secure API access and wrote comprehensive unit/integration tests to ensure system reliability.

## SKILLS

**Languages:** Java, JavaScript, SQL, Python, Dart, Solidity

**Frontend Technologies:** ReactJS, Tailwind CSS, NextJS

**Backend Technologies:** Spring MVC, SpringBoot, NodeJS, Blockchain

**Databases:** MySQL, MongoDB, Firebase

**Cloud & Devops:** AWS, Docker, Ansible, Kubernetes, Jenkins

**Testing & Agile Methodologies:** JUnit, Selenium, Mockito, Agile (Scrum & Kanban)

**System Design & Architecture:** HLD, LLD, Microservices, Restful APIs, Data Structures & Algorithms

## EDUCATION

### Bachelor of Engineering - Computer

New Horizon Institute of Technology and Management • Mumbai, India • 2022 • 8.5 CGPA

## CERTIFICATIONS

### AWS Developer Associate

Amazon Web Services (AWS) • 2023

## ACHIEVEMENTS

Solved 350+ problems on Leetcode and 500+ across platforms.