

JAY VAGHELA

Software Development Engineer

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PROFILE SUMMARY

Experienced Full-Stack Developer with nearly 2 years of expertise in Java, React, Spring Boot, Node.js, MongoDB, and Express.js. Skilled in building scalable web applications, API integrations, and database management. Strong team player with a track record of enhancing efficiency and user satisfaction.

SKILLS

Languages: Java, JavaScript, HTML, CSS, C++, Data Structures & Algorithms

Technologies/Frameworks: React, Spring Boot, J2EE, Node.js, Express.js, Tailwind CSS, Hibernate, Microservices

Databases: MongoDB, MySQL, PostgreSQL, MariaDB

Soft Skills: Problem-solving, Communication, Troubleshooting, Analytical, Management

EXPERIENCE

Software Development Engineer

March 2024 – Present

Tata Consultancy Services

Ahmedabad, India

- Developed and deployed full-stack web applications using React.js, Node.js, Express.js, and MongoDB, **improving system efficiency by 30%**. Designed reusable UI components to enhance scalability and maintainability.
- Led a team of 4 developers to build a scalable e-commerce platform using MERN Stack, successfully delivering it on time and within budget. Designed a modular architecture that allowed seamless feature expansion.
- Built and launched a social media platform with MERN Stack, writing over 10,000 lines of code to support 1M+ active users. Integrated a secure authentication system using JWT and OAuth2 to prevent unauthorized access.
- Reviewed over 50 code modules and collaborated with 5 team members to resolve 30+ issues, **enhancing application performance by 20%**. Conducted detailed code reviews to ensure adherence to best practices and coding standards. REST APIs and optimized database queries, improving response times for user interactions by 25%. Designed and implemented efficient indexing strategies in MongoDB to reduce query execution time.
- Developed a Spring Boot-based order management system with React frontend, reducing order processing time by 30%. Designed RESTful APIs to manage transactions efficiently.
- Implemented JWT authentication and OAuth2 for secure user login across MERN and Spring Boot applications, improving security and access control.

Associate Software Developer

Oct 2023 – Feb 2024

Tata Consultancy Services

Ahmedabad, India

- Completed a full-stack project during training, gaining expertise in both MERN Stack and Spring Boot web development. Built REST APIs and frontend interfaces to simulate a real-world production environment.
- Contributed to 3+ live web applications using React.js, Node.js, Express.js, and MongoDB, improving user experience and functionality. Focused on performance optimizations to ensure smooth user interactions.
- Integrated RESTful APIs and optimized database performance, resulting in a **15% faster response time for data retrieval**. Applied indexing and caching techniques to enhance speed.
- Delivered 5+ technical presentations** to clients, effectively explaining development progress and architecture decisions to ensure alignment with project goals

Front-End Developer Intern

Aug 2023 – Sept 2023

Sparrow Software

Bhavnagar, India

- Developed and maintained React-based front-end applications, enhancing UI responsiveness. Designed reusable components that improved development speed.
- Improved state management using Redux Toolkit, reducing application load time by 20%. Refactored code to enhance maintainability and modularization.
- Conducted cross-browser testing and resolved UI inconsistencies, improving user experience. Implemented accessibility best practices for a wider reach.

EDUCATION

The Maharaja Sayajirao University

July 2019 – May 2023

B.E in Electrical Engineering; CGPA: 8.50/10.00

Vadodra