

Tejas Vaity

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Profile

Full Stack Developer with 3.5 years of experience designing and developing scalable web applications, specializing in Java(backend) and Angular(frontend). Expertise in building RESTful APIs, managing SQL/NoSQL databases and implementing server-side logic using Spring Boot to deliver high-quality software solutions. Proficient in creating responsive, user-friendly interfaces with modern web technologies while focusing on performance optimization and clean code practices. Skilled in collaborating within cross-functional teams, solving complex technical challenges, and driving efficient software development cycles to deliver robust, scalable applications. Skilled in system performance tuning, database optimization and implementing secure, maintainable code that aligns with business goals.

Education

University of Michigan , MS in Computer and Information Science	September 2024 to May 2026
University of Mumbai , BE in Electronics	July 2016 to October 2020

Experience

Associate System Analyst, NSEIT – Mumbai, India February 2022 to July 2024

- National Stock Exchange (NSE) IFSC Risk Management and NSE India Risk Management: Increased system performance by 30% by designing and developing real-time trading platforms using Java Spring Boot and Angular.
- Reduced system latency by 30%, optimized real-time data processing using Apache Kafka, and improved data retrieval speed by 25% with Redis caching.
- Implemented RESTful APIs and socket programming, ensuring seamless integration between front-end and back-end systems and increasing system uptime by 20%.
- Led the initiative to refine trading processes, resulting in an enhanced technical architecture that supported over 1M+ transactions daily and improved compliance with market regulations.

Software Frontend Developer Intern, Faclon Labs – Mumbai, India October 2021 to February 2022

- Developed and maintained 3+ Angular-based applications, using TypeScript, HTML, CSS, and JavaScript, improving code efficiency by 20%.
- Enhanced UI with Angular Material, improving tables and graphs for better data visualization, boosting user feedback by 25%.
- Resolved 95% of system issues within 24 hours, increasing system reliability and client satisfaction.

Project Engineer, Wipro Limited – Mumbai, India March 2021 to September 2021

- Performed manual testing of software applications to verify that system requirements were fulfilled for banking application.
- Analyzed system requirements to create test cases, documented defects found during testing process.

Technologies

Programming Languages: Java, C, JavaScript, TypeScript, HTML, CSS, Python, Shell Scripting, JSP, Servlet

Frameworks: SpringBoot, Spring Security, Spring JPA, Spring MVC, WebFlux, Angular, React

Databases: Oracle, MySQL, Postgre, Redis, MongoDB

Tools: Apache Kafka, Tomcat

Operating System: Linux, Windows

Version Control: SVN, Git

Projects

Penny Buddy

- Developed a Comprehensive Financial Management Platform to streamline the management of multiple bank accounts and credit cards, enhancing user control and financial transparency. (Nest.js, Plaid)

Activities

- Contributed to building the website for the Michigan DevFest 2024 event and Improve User Interface by 70%.
- Played a key role in Team CFR, constructing a Formula 1 car for the Formula Bharat competition, demonstrating engineering and teamwork skills.