

RAVI KIRAN VADDE

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Experienced Full Stack Java Developer with over 5 years of expertise in building scalable applications using Java, Spring Boot, and microservices, along with front-end frameworks like ReactJS and Angular. Proficient in cloud platforms, CI/CD pipelines, and database optimization, delivering impactful solutions across fintech and academic domains.

EDUCATION

Texas Tech University, Lubbock, TX – Masters in Computer and Information Science
RVR & JC College of Engineering, Guntur, India – Bachelors in Mechanical Engineering

Aug 2022 – May 2024
Jul 2015 – May 2019

SKILLS

Programming Languages: Java 8/11/17, C, Python, Scripting, TypeScript

Frameworks & Technologies: J2EE, Spring Boot, Microservices, Spring Security, JPA, Hibernate, Vertx, Apache Kafka

Tools & Platforms: Git, Gitlab, Jenkins, Maven, Gradle, Postman, New Relic, Graylog, Tomcat, AWS, Azure, Jira, Confluence, JFrog.

Database: Sybase, Mongo DB, Gemfire, MySQL, SQL Server, PostgreSQL, Oracle, Apache Solr.

Working Knowledge: HTML, CSS, JavaScript, ReactJs, Angular, CI/CD, REST/SOAP

PROFESSIONAL EXPERIENCE & RESPONSIBILITIES

5+ Years

Full Stack Java Developer (Associate), Goldman Sachs

Aug 2024 - Present

- Developed and optimized a trading platform backend using Java Spring Boot and Gradle, reducing order processing time by 30% by automating the trade execution.
- Migrated the front-end framework from Angular to React.js, enhancing user interface responsiveness by 30% for our PWM trading platform Concert.
- Implemented MongoDB and Sybase for database management, achieving a 20% improvement in query performance and scalability.
- Integrated GemFire for caching, decreasing data retrieval latency by 40% in high-traffic scenarios with Securities pricing.
- Streamlined CI/CD pipelines using GitLab and Git, accelerating deployment frequency by 15%.

Student Assistant (Backend), Texas Tech University

Jan 2023 – May 2024

- Designed and implemented a reliable backend services using Java 11 and Spring, facilitating seamless communication between students and professors in a shared forum with 99.9% uptime and high availability.
- Developed an intuitive front-end interface with ReactJS, improving user engagement by 30% through enhanced usability and real-time updates for posting class-related information.
- Optimized database performance with MySQL, reducing query response time by 40%, enabling faster data retrieval for user profiles, posts, and interactions.

Java Full Stack Developer, Element Fleet Management

Dec 2019 – Jun 2022

- Engineered a robust backend system using Java 8, Spring Boot, and MVC architecture, achieving a 30% improvement in application performance through efficient asynchronous service calls with the Vert.x framework.
- Designed and implemented Spring Batch solutions to handle large-scale order processing, improving throughput by 40% and reducing batch processing time by 15%.
- Developed an event-driven architecture integrated with a finite state machine, reducing error rates in state transitions by 15% and increasing system reliability for high-volume transactions.
- Built intuitive user interfaces using CoffeeScript, HTML5, CSS3, and Angular SPA, enhancing user experience and reducing page load times by 20%, contributing to an 18% increase in dealer application engagement.
- Optimized data replication processes from Sybase to PostgreSQL using tcVISION, reducing latency by 35%, ensuring near-real-time data availability, and supporting critical business decisions.

Java Developer, Verizon

May 2019 – Dec 2019

- Redesigned the payment processing workflow using Java and Spring Boot, reducing transaction processing time by 25% and handling over 1 million transactions monthly with enhanced accuracy.
- Implemented an automated PDF generation service for customer billing using iText library, generating over 500,000 invoices monthly with zero reported formatting errors.
- Enhanced system reliability for payment processing and invoice generation by implementing exception handling and retry mechanisms, achieving 99.95% uptime in production.
- Integrated AES encryption for sensitive payment data and ensured PCI DSS compliance, reducing security incidents by 30%.
- Designed a document delivery pipeline using Kafka for asynchronous messaging, reducing PDF delivery time to customers by 40% and handling 2 million requests daily.

CERTIFICATIONS

- Oracle Cloud Data Management 2023 Certified Foundations Associate
- IBM Full Stack Software Developer ([Badge](#))
- Infosys Certified Java SE8 Developer
- Infosys Certified Angular Developer