RAVI KIRAN VADDE

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PROFESSIONAL EXPERIENCE & RESPONSIBILITIES

Full Stack Java Developer (Associate), Goldman Sachs, Dallas, TX   Aug 2024 - Present

- Developed and optimized a trading platform backend using Java 17, 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.

Java Developer - Intern || Denken Solutions Inc.|| Irvine, CA   Jun 2024 – Aug 2024

- Integrated the MedSquirrels **HCM** application using **RESTful** APIs and conducted thorough backend API testing using tools like **Postman** to ensure seamless integration and functionality.
- Implemented **OAuth** authentication and role-based access control (RBAC) to enhance data security and user privacy, ensuring compliance with university standards.
- Spearheaded performance testing efforts by optimizing code, implementing caching strategies, and refining database queries, resulting in a 20% reduction in response times.

Student Assistant (Backend), Texas Tech University, Lubbock, TX   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.

Tata Consultancy Services, Bhubaneswar, India

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 8 and Spring Boot 2.7.16, 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.
- Designed a document delivery pipeline using Kafka for asynchronous messaging, reducing PDF delivery time to customers by 40% and handling 2 million requests daily.

SKILLS

Programming Languages: Java 8/11/17, C, Python.
Frameworks & Technologies: Spring Boot, Microservices, Spring Security, JPA, Hibernate, Vertx, Apache Kafka, REST/SOAP.
Tools & Platforms: Git, Jenkins, Maven, Gradle, Postman, New Relic, Graylog, Tomcat, AWS, Azure, GCP, CI/CD.
Database: Sybase, Mongo DB, Gemfire, MySQL, SQL Server, PostgreSQL, Oracle, Apache Solr.
Web Technologies: HTML, CSS, JavaScript, ReactJs, Angular.

EDUCATION

Texas Tech University, Lubbock, TX – Masters in Computer and Information Science   Aug 2022 – May 2024
RVR & JC College of Engineering, Guntur, India – Bachelors in Technology   Jul 2015 – May 2019

CERTIFICATIONS

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