Ravi Kiran Vadde

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PROFESSIONAL SUMMARY

Highly skilled **Full Stack Java Developer** with experience in designing, developing, and optimizing enterprise web applications. Expertise in **Java EE, Spring Boot, Microservices, RESTful APIs, and Cloud Technologies** like **AWS**. Experienced in database management, DevOps practices, and Agile methodologies. Strong background in **performance monitoring, debugging, and security best practices**. Passionate about building scalable, secure, and high-performance applications.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, NoSQL, Shell Scripting
- **Web Technologies:** Servlets, JSP, JSF, HTML5, CSS3, JavaScript, ReactJS, Angular 8, Bootstrap
- **Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate, JPA
- **Microservices & Messaging:** Spring Cloud, Apache Kafka, RabbitMQ
- **Databases:** PostgreSQL, MySQL, MongoDB, Oracle, Sybase
- **DevOps & Cloud:** AWS (EC2, S3, Lambda, RDS), Azure, Docker, Kubernetes, Jenkins, GitLab CI/CD
- **Testing & Monitoring:** JUnit, TestNG, Mockito, JMeter, Dynatrace, Splunk, Graylog, New Relic
- **Security & Authentication:** OAuth, JWT, SAML, RBAC, DevSecOps
- **Development Methodologies:** Agile, Scrum, TDD, CI/CD

PROFESSIONAL EXPERIENCE

Goldman Sachs **Aug 2024 – Present**
Role: Java Full Stack Developer **Salt Lake City, UT, USA**
Responsibilities:

- **Developed and maintained PWM Trading & Booking applications** using **React.js, Angular, Spring Boot, Kafka, and RxJava** for real-time processing. Built event-driven services for seamless trade execution, improving system efficiency. Enhanced user experience by optimizing UI responsiveness and interactivity.
- **Implemented event-driven architecture** using **Kafka and RxJava**, improving data processing and reducing system latency. Developed robust message-driven workflows for real-time trade execution and booking. Ensured fault tolerance and scalability for handling high-volume transactions.
- **Designed and optimized RESTful APIs** for **trade processing and ledger management**, integrating **Sybase and MongoDB** for data storage. Improved API response times by optimizing queries and implementing caching mechanisms. Ensured seamless communication between frontend and backend services.
- **Enhanced front-end performance** by refactoring and optimizing **React.js and Angular** components. Improved UI responsiveness by reducing load times and enhancing component reusability. Ensured seamless integration with backend microservices for real-time updates.
- **Refactored legacy ledger systems** by implementing **microservices-based architecture** using **Spring Boot and Kafka**. Improved data consistency and scalability by redesigning database interactions. Reduced processing times by optimizing business logic execution.
- **Developed ledger reconciliation processes** using **Sybase and MongoDB**, ensuring accurate and consistent financial transactions. Designed automated validation checks to reduce manual intervention. Improved system reliability by implementing failover mechanisms.
- **Implemented real-time reporting solutions** to track asset movements and trade processing statuses. Optimized **SQL queries and event-driven data processing** to improve SLA adherence. Reduced data retrieval time by integrating indexing and partitioning strategies.
- **Worked on system performance tuning**, optimizing database queries and improving API response times. Reduced query execution latency through indexing and stored procedures. Enhanced system throughput fine-tuning JVM and resource utilization.
- **Automated CI/CD pipelines** using **Jenkins and Docker**, improving deployment frequency and reducing production downtime. Integrated automated testing to ensure software stability. Streamlined software delivery by implementing infrastructure-as-code solutions.

- **Monitored** application performance and transactions using **BigQuery, ProcMon logs, server logs**, and **Pact server,** enabling proactive issue detection, system optimization, **and enhanced debugging capabilities**.
- **Led code reviews and mentored junior developers**, promoting best practices and coding standards. Conducted knowledge-sharing sessions on **event-driven architecture and microservices**. Helped improve overall team productivity through continuous learning initiatives.

Element Fleet Management **May 2019 – Jun 2022**
Role: Java Full Stack Developer **Bhubaneswar, OD, India**
Responsibilities:

- **Led a team of 10 developers** for the **CanadaPO** and **UpfitRFQ** projects, overseeing design, development, and deployment while ensuring high code quality and adherence to best practices.
- **Developed FleetSpec**, a **fleet order customization platform**, enabling dealer and supplier assignment, upfit additions, and **automated order summary generation** using **Java, Spring Boot, Vert.x, PostgreSQL, Sybase, and S3**.
- Implemented **OAuth-based authentication** to secure APIs across FleetSpec, ensuring robust access control and data protection for order processing workflows.
- Designed and developed **RESTful APIs** to facilitate seamless frontend-backend communication, improving **system performance and scalability** across all projects.
- **Built UpfitRFQ**, a **request-for-quote (RFQ)** processing application with an **FSM-based event-driven architecture**, enhancing **supplier selection and processing efficiency**.
- **Developed CanadaPO**, a purchase order processing system with **custom validation for Canadian clients**, ensuring compliance with regulatory standards.
- **Optimized database interactions** by implementing **indexing, query tuning, and caching strategies** in **PostgreSQL and Sybase**, reducing query execution time.
- Integrated **React, Angular, and CoffeeScript** for frontend development, modernizing UI components and improving overall user experience.
- **Automated the order processing workflow** by implementing a **nightly sweeper job** that detects order approvals and sends purchase order emails to dealers. Reduced manual intervention **and cut processing time from 6 hours to 0.5 hours per day**.
- **Optimized system performance and accuracy** by eliminating on-the-fly calculations and **removing manual build-out date checks**, leading to **1,000 hours saved per year and $30,000 in cost savings**.
- **Enhanced application efficiency** by integrating automated email notifications for approved orders, ensuring real-time updates and improved dealer communication. Increased **customer satisfaction** and **system reliability** through seamless backend automation.
- Implemented application **monitoring** and **logging** using **New Relic and Graylog**, enabling proactive issue detection, performance optimization, and enhanced debugging capabilities.

Verizon **May 2019 – Dec 2019**
Role: Java Developer **Bhubaneswar, OD, India**
Responsibilities:

- **Developed and optimized** a customer billing PDF generation system using **Java 8, Spring Boot, and Microservices** for automated invoices. Ensured accuracy and efficiency, reducing manual errors and improving processing speed.
- **Designed and implemented RESTful APIs** to fetch and process billing data, reducing response time by 30%. Optimized database queries and caching mechanisms for faster data retrieval.
- **Integrated PDF** generation libraries like **iText** and **Apache PDFBox** to create structured invoice documents. Designed dynamic templates for various billing formats based on customer needs.
- **Implemented multi-threading** and **caching** to handle high-volume invoice generation efficiently. Optimized memory and resource allocation to prevent system slowdowns during peak loads.
- **Worked with cross-functional teams** including **QA** and **DevOps** to streamline deployment using Jenkins, Docker, and Kubernetes. Automated builds to ensure smooth and reliable production releases.
- Optimized database performance by **tuning SQL** queries and stored procedures in **PostgreSQL/Oracle**. Reduced query execution time and improved scalability for handling large datasets.
- Developed unit and integration tests using **JUnit** and Mockito, achieving **90**% test coverage. Automated test execution within **CI/CD pipelines** to ensure system stability.

EDUCATION

Master's in Computer Science
August 2022 – May 2024 — Texas Tech University
GPA: 3.5/4

Bachelor's in Mechanical Engineering
August 2015 – May 2019 — R.V.R & J.C College of Engineering
GPA: 8.82/10

CERTIFICATIONS

- Oracle Cloud Data Management 2023 Certified Foundations Associate
- IBM Full Stack Software Developer (Badge)
- Infosys Certified Java EE Developer
- IBM DevOps and Software Engineering Specialization (Badge)
- Google IT Support (Badge)
- Infosys Certified React Developer