Sri Kumbam

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PROFESSIONAL SUMMARY

Experienced Full Stack Developer with 5+ years of expertise in building scalable, resilient distributed systems. Skilled in Java, Apache Spark, Spring Boot, and a variety of cloud platforms including AWS and Azure. Strong emphasis on performance optimization, CI/CD practices, and container orchestration with Docker and Kubernetes. Proficient in REST API and microservices architecture, integrating legacy systems, and facilitating seamless data exchange. A collaborative mentor with a knack for transforming complex business requirements into effective technical solutions that enhance system efficiency and user experience.

TECHNICAL SKILLS

- **Programming Languages:** Java 8/11/17, SQL, PL/SQL, Scripting, Python, Go, Typescript
- **Frameworks/Libraries:** Spring Boot, Hibernate, Spring MVC, Apache Kafka, JPA, JDBC, J2EE, Vertx
- **Web Technologies:** HTML5, CSS3, JavaScript, Ajax, Angular 15/16, NodeJS, React.
- **ERP & Database Technologies:** MySQL, PostgreSQL, MongoDB, Oracle, Cassandra, RDBMS
- **Tools/IDEs:** IntelliJ IDEA, Eclipse, Maven, Gradle, Visual Studio Code, Liquibase, Kibana, Jira
- **Version Control:** Git, SVN, Bitbucket
- **Testing Frameworks:** JUnit, Mockito, TestNG, Jasmine
- **Cloud Native Build Tools:** Jenkins, Docker, Kubernetes
- **APIs/Integration:** RESTful APIs, SOAP, JSON, JMS, JMX
- **Cloud Platforms:** AWS (S3, EC2, ETL, IAM), Azure, GCP
- **Operating Systems:** Windows, Linux, Unix
- **Development Methodologies:** Agile, Scrum, Kanban

PROFESSIONAL EXPERIENCE

Discover Financial Services   **Jun 2023 – Present**
Role: Java Full Stack Developer   **Dallas, TX, USA**
Responsibilities:

- Developed and maintained scalable microservices and REST APIs using Spring Boot, Spring Cloud, and Spring Security, supporting both web and mobile applications with secure data exchange via JSON and XML.
- Designed responsive Single Page Applications (SPAs) with Angular (4/6), TypeScript, HTML5, CSS3, and Bootstrap, optimizing user experience with efficient data flows and complex UI interactions.
- Enhanced application security through Spring Security and OAuth2 for authentication and authorization, ensuring data protection across distributed systems.
- Leveraged Apache Spark and Kafka for real-time analytics and high-throughput data processing, significantly improving Discover's data handling and response capabilities.
- Implemented caching with Redis to reduce database load and improve application responsiveness, ensuring smooth performance during peak loads.
- Automated CI/CD pipelines with Jenkins, Maven, Docker, and Kubernetes for efficient, repeatable deployments, minimizing downtime and enhancing DevOps efficiency.
- Orchestrated microservices deployment on Kubernetes, managing scalability, load balancing, and high availability for critical services in production environments.
- Optimized backend database interactions by designing efficient stored procedures and SQL queries in Oracle and MySQL, reducing query times and enhancing data management.
- Utilized Apache Spark for large-scale data processing, enabling real-time insights and faster response times in data-intensive applications.
- Enhanced code quality and maintainability through best practices in Java and Angular, applying design patterns to create cleaner, modular, and more scalable code.
- Created real-time data visualizations using Angular charts (Ng2-Charts), allowing stakeholders to monitor financial metrics and operational data for informed decision-making.

- Collaborated with cross-functional teams for requirements gathering, product alignment, and Agile development, ensuring high-quality output with JUnit and Log4j for testing and logging.
- Implemented IAM policies and permissions in AWS for secure access control, aligning with compliance and data security standards.
- Performed load and performance testing using JMeter to ensure applications met Discover's performance and reliability standards under peak load conditions.
- Mentored junior developers on Angular, Java, and microservices architecture, fostering team skill growth and ensuring code consistency and quality across projects.
  Technologies: Java Collections, Multi-threading, Spring Framework (Spring Boot, Spring MVC, Spring Security), Hibernate, RESTful APIs, Microservices, Docker, Jenkins, Maven, Git, JIRA, Oracle, MySQL, Apache Kafka, OAuth2, JWT, AWS, JMeter, HTML, CSS, Angular

Progressive   **Jul 2021 – Aug 2022**
Role: Java Full Stack Developer   **India**
Responsibilities:
- Developed and deployed scalable microservices using Spring Boot on Azure, enhancing the system's scalability and performance to support both web and mobile applications.
- Built dynamic, responsive web applications using Angular (2/4), JavaScript, HTML5, CSS3, and Node.js, delivering seamless integration with backend Spring Boot REST services for an optimized user experience.
- Enhanced front-end performance with React.js and Redux, applying lazy loading and memoization techniques to improve load times and memory efficiency, resulting in a smoother user experience.
- Designed and optimized relational and NoSQL databases (Oracle, MongoDB), utilizing Hibernate ORM for efficient data persistence and mapping, ensuring consistent data integrity across applications.
- Implemented event-driven architecture with Spring RabbitMQ and Kafka, enabling asynchronous service interactions and reducing response times, improving application scalability and client-server decoupling.
- Configured and managed CI/CD pipelines using Jenkins, automating build and deployment processes via Maven and deploying on JBoss, ensuring fast, reliable, and repeatable releases.
- Leveraged Spark SQL for data transformations, streamlining ingestion and processing from multiple sources, enabling real-time access to data for analytics and business insights.
- Developed efficient APIs for cloud-based microservices in Spring Boot, following RESTful principles to support secure and reliable client-server communications.
- Integrated data management solutions using Oracle and MongoDB, optimizing query performance and storage, and enabling efficient data retrieval and processing for complex applications.
- Utilized Git for version control and JIRA for Agile project management, ensuring consistent project tracking and smooth collaboration within cross-functional teams.
- Improved application responsiveness with caching solutions like Redis to reduce database load, enhancing overall system efficiency during high-traffic periods.
- Enhanced data ingestion and processing by configuring Kafka as a message broker, enabling seamless data flow and communication between microservices.
- Deployed containerized applications with Docker on Azure Kubernetes Service (AKS), optimizing scalability, and automating scaling and deployment of microservices.
- Conducted code reviews and performance tuning for front-end and back-end components, implementing best practices and improving maintainability, reliability, and speed.
- Collaborated with cross-functional teams including QA, UX/UI designers, and product managers to ensure product alignment and quality, contributing to project success within an Agile framework.

  Technologies: Java EE, Spring MVC, Spring Framework (Dependency Injection, AOP, MVC), JUnit, Mockito, Spring Boot, OAuth 2.0, Hibernate ORM, Oracle, MongoDB, Spring Batch, ELK stack (Elasticsearch, Logstash, Kibana), Apache Kafka, Docker, Kubernetes, Jenkins, New Relic

Target   **May 2019 – Jul 2021**
Role: Java Developer
Responsibilities:

- Developed high-performance eCommerce web applications using Java, J2EE, Spring MVC, JSP, Servlets, and Hibernate, leveraging design patterns like Composite View, Singleton, and DAO to ensure efficient and maintainable code.
- Built RESTful Web Services with Spring Boot, integrating third-party SMS APIs for real-time messaging, significantly enhancing in-app communication capabilities.
- Designed dynamic UIs with JSP, HTML, CSS, JavaScript, and jQuery, incorporating client-side validation with vanilla JavaScript for improved user experience and data accuracy.
- Maintained reusable components within a Service-Oriented Architecture (SOA) using Java and J2EE, enabling efficient inter-service communication and modular application design.
- Optimized MySQL database performance by crafting complex SQL queries and stored procedures, improving data retrieval efficiency for key eCommerce features.
- Enhanced form validation by implementing Spring Validation Framework at both client and server levels, ensuring robust data integrity and reliable error handling across the platform.
- Implemented asynchronous messaging using Vert.x toolkit for inter-service communication, streamlining real-time notifications, and improving user engagement; utilized Vert.x's inbuilt Hazelcast clustering for distributed services.
- Utilized Hibernate ORM for seamless database interactions, ensuring efficient persistence and retrieval of eCommerce data in a high-transaction environment.
- Optimized backend operations using Servlets and JSP for efficient request processing, contributing to faster page load times and an improved user experience.
- Created modular and reusable UI components with JSP and JavaScript for consistent design and functionality across different sections of the eCommerce application.
- Employed event-driven architecture with Finite State Machine (FSM) implementation to manage state transitions of orders, enabling flexible and maintainable business logic for order processing.
- Contributed to Agile development by actively participating in daily SCRUM meetings and collaborating on each SDLC phase, ensuring timely delivery of high-quality features.
- Implemented secure authentication mechanisms using J2EE to protect sensitive user data and provide a secure online shopping experience.
- Conducted code reviews and performance tuning for eCommerce web components, ensuring adherence to best practices, improved system reliability, and optimized performance.

Technologies: Java, J2EE, JSP, SMS API, JSTL, Servlets, SpringMVC, Vertx, Hazelcast, FSM, Event-Driven Architecture, Hibernate, JUnit, Maven, HTML, CSS, jQuery, jQuery UI, JavaScript, Ajax, NetBeans IDE, Tomcat, UML, CVS, XML/XSL, MySQL, Log4j, JMS.

EDUCATION

Masters in computer science   **August 2022 – May 2024**
Texas Tech University   *GPA: 3.5*

CERTIFICATIONS

- ➢ Harvard CS50's Introduction to Programming with Python
- ➢ IBM full stack Software Developer Professional Certificate
- ➢ SQL (advanced) assessment hacker rank certification.
- ➢ Google IT Support Certification.

- ➢ Python for Data Science and Machine Learning Bootcamp.
- ➢ AZ-900: Microsoft Azure Fundamentals Certification-Certificate of completion.