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, Hadoop, Spring MVC, Apache Kafka, JPA, JDBC, J2EE, Flink, Airflow
Web Technologies: HTML5, CSS3, JavaScript, Ajax, Angular 15/16, NodeJS, React
ERP & Database Technologies: MySQL, PostgreSQL, MongoDB, Oracle, DynamoDB, Cassandra
Tools/IDEs: IntelliI 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, SQS), Azure, GCP
Operating Systems: Windows, Linux, Unix
Development Methodologies: Agile, Scrum, Kanban

EXPERIENCE & RESPONSIBILITIES

Discover Financial Services   **Jun 2023 - Present**
Java Full Stack Developer   *Dallas, TX (Remote)*

- 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 and SDLC.
- Orchestrated microservices deployment on Kubernetes, managing scalability, load balancing, and high availability for critical services in production environments.
- Conducted automated API testing using Postman, which led to enhanced performance, reliability, and reduced response times of APIs, ultimately improving system efficiency.
- 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.

Progressive   **Jul 2021 - Aug 2022**
Java Full Stack Developer   *Hyderabad, India*

- 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 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.
- Designed resilient systems leveraging GCP services, including Cloud Run, GCP Compute Engine, and GCP Cloud Storage, ensuring high availability and scalability.
- 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.
- Developed effective and user-friendly applications by applying specific design principles and using tools like Adobe XD and Sketch, resulting in a 20% increase in user satisfaction and enhanced interface usability.
- Improved application responsiveness with caching solutions like Redis to reduce database load, enhancing overall system efficiency during high-traffic periods.
- Utilized monitoring tools like Grafana, Splunk, Prometheus, and Dynatrace to evaluate system performance, allowing for the early detection and resolution of issues, which improved overall system reliability and efficiency.
- Enhanced data ingestion and processing by configuring Kafka as a message broker, enabling seamless data flow and communication between microservices.
- Enhanced application performance by leveraging OpenShift for effective management and deployment, leading to improved resource allocation, reduced downtime, and increased operational efficiency.
- 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.

Target   **May 2019 - Jul 2021**
Java Developer   *Hyderabad, India*
- Developed high-performance eCommerce web applications using Java, J2EE, Spring MVC, Dependency injection, 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), event driven systems 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.
- Ensured code quality and security compliance by integrating SonarQube for static code analysis in Java projects.
- 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.
- 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.
- Contributed to Agile development by actively participating in daily SCRUM meetings and collaborating on each Agile SLDC 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.

EDUCATION

Texas Tech University | *Master's, computer science* (GPA: 3.5)   Lubbock, TX **Aug 2022 - May 2024**

CERTIFICATIONS

Harvard CS50's Introduction to Programming with Python: Harvard CS50's Introduction to Programming with Python
IBM full stack Software Developer Professional Certificate: IBM full stack Software Developer Professional Certificate
SQL (advanced) assessment hacker rank certification.: SQL (advanced) assessment hacker rank certification.
Google IT Support Certification.: Google IT Support Certification.
Python for Data Science and Machine Learning Bootcamp.: Python for Data Science and Machine Learning Bootcamp.
AZ-900: Microsoft Azure Fundamentals Certification: AZ-900: Microsoft Azure Fundamentals Certification-Certificate of completion.