Sri Kumbam

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PROFESSIONAL SUMMARY

Full Stack Java Developer with over **5 years of experience** in building and maintaining scalable applications. Skilled in **Java (8/11/17)**, **Spring Boot**, and **Microservices**, with hands-on experience in cloud platforms like **Azure** and **AWS**. Worked on **backend and frontend development**, **DevOps practices**, and **big data processing**. Experience in migrating **legacy applications**, improving system performance, and integrating **enterprise solutions** in **financial**, **insurance**, and **e-commerce sectors**. Familiar with **real-time data streaming** using **Kafka** and **Flink**, and optimizing database performance with **PostgreSQL**, **MongoDB**, and **DynamoDB**. Collaborated with **cross-functional teams** to design, develop, and deploy **secure and efficient software solutions**.

TECHNICAL SKILLS

Programming Languages: Java (8/11/17), SQL, PL/SQL, Python, Go, TypeScript, C#
Backend Development: Spring Boot, Spring MVC, JPA, JDBC, J2EE, RESTful APIs, SOAP, JMS, JMX
Frontend Development: HTML5, CSS3, JavaScript, Ajax, Angular (15/16), React.js, Node.js
Cloud & DevOps: Azure (AKS, API Management, VNet, Load Balancer, Blob Storage, CosmosDB), Docker, Kubernetes, Jenkins, Terraform, Helm, SonarQube, Azure DevOps
Big Data & Stream Processing: Apache Kafka, Flink, Hadoop, Airflow
Databases & Storage: MySQL, PostgreSQL, MongoDB, Oracle, AWS AuroraDB, DynamoDB, Redis Cache
Enterprise & Web Technologies: .NET Core, ASP.NET, Express.js
Networking: Azure Virtual Networks (VNets), Application Gateways, Private Endpoints
Testing & Monitoring: JUnit, Mockito, TestNG, Jasmine, Kibana, Liquibase
Tools & IDEs: IntelliJ IDEA, Eclipse, Maven, Gradle, Visual Studio Code, Jira
Version Control: Git, SVN, Bitbucket, GitLab

EXPERIENCE & RESPONSIBILITIES

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

- **Designed and developed microservices-based applications** using **Java, Spring Boot, and Spring Framework**, enabling seamless integration with Discover's **digital banking and payment processing systems**.
- **Built and maintained RESTful APIs** to handle **millions of financial transactions daily**, ensuring high availability and security for **real-time payment processing**.
- **Implemented asynchronous messaging workflows** using **Kafka and RabbitMQ**, improving transaction throughput and enabling real-time event-driven architectures.
- **Led the migration of legacy monolithic applications** to **Pivotal Cloud Foundry (PCF) and OpenShift**, enhancing scalability and reducing deployment time.
- **Developed CI/CD pipelines using Jenkins, GitHub, Nexus, and Ansible**, automating build, test, and deployment processes for improved release efficiency.
- **Integrated Microsoft Power Automate workflows** to streamline **business logic automation**, reducing manual intervention in financial data processing.
- **Enhanced security and compliance** for financial transactions by implementing **OAuth2, JWT authentication, and encryption standards**, ensuring adherence to PCI-DSS regulations.
- **Optimized performance of cloud-based applications** on **AWS** by leveraging **auto-scaling, caching (Redis), and load balancing**, reducing latency by **40%**.
- **Developed user-friendly web interfaces** using **ReactJS, JavaScript, HTML, and CSS**, improving customer interaction with Discover's **online banking and card management portals**.

- **Implemented micro-frontend architecture** to modularize UI components, allowing independent deployment of **customer-facing banking features**.
- **Built dynamic dashboards and visualizations** for transaction history and fraud detection alerts using **ReactJS**, enhancing **real-time insights for customers**.
- **Developed infrastructure automation scripts** using **Chef and Ansible**, reducing manual provisioning efforts for cloud-based deployments.
- **Monitored and optimized cloud resource utilization** using AWS CloudWatch and Prometheus, improving application availability and cost efficiency.
- **Automated integration and regression testing** using **Selenium**, reducing test execution time by **50**% while ensuring defect-free releases.
- **Led the design and development of the core payments module**, ensuring compliance with **banking regulations** and reducing processing errors by **30**%.
- **Architected and implemented the fraud detection service**, leveraging **real-time data streams via Kafka** to flag suspicious activities within **milliseconds**.
- **Mentored junior engineers**, conducting **code reviews, technical training, and best practice sessions**, fostering a culture of continuous improvement.
- **Collaborated with cross-functional teams**, including **business analysts, security teams, and DevOps engineers**, to refine system architecture and optimize performance.

Progressive   **Jul 2021 - Aug 2022**
Java Full Stack Developer   **Hyderabad, India**
- Developed and maintained **microservices-based billing solutions** using **Java, Spring Boot, and Spring MVC,** handling high-volume transactions for policy lifecycle management.
- **Designed and optimized RESTful APIs** for real-time billing data synchronization between **distributed systems and legacy mainframe applications** (COBOL, DB2).
- **Implemented batch processing workflows** for policy billing using **Spring Batch,** ensuring efficient handling of periodic payments and premium adjustments.
- **Integrated Kafka messaging queues** to streamline **asynchronous processing of billing transactions**, improving system scalability and responsiveness.
- **Optimized SQL queries and database performance** in **SQL Server and DB2**, reducing query execution times by **30%** for key billing reports.
- **Refactored monolithic billing components** into **scalable microservices**, enhancing modularity and maintainability while reducing technical debt.
- **Developed and maintained API integrations** between the **billing system and third-party payment providers**, ensuring seamless transactions and compliance with financial regulations.
- **Implemented best security practices** such as **OAuth2, JWT authentication, and encryption** for sensitive billing data, ensuring compliance with **PCI-DSS standards**.
- **Led the migration of key billing components** from **on-premises infrastructure to Azure Cloud**, leveraging **Azure DevOps, CI/CD pipelines, and Kubernetes** for containerized deployments.
- **Worked on performance tuning and debugging** of billing microservices using **New Relic**, **Splunk, and Prometheus**, improving system uptime and reliability.
- **Maintained and enhanced legacy C#/.NET applications** for billing operations, ensuring smooth integration with modern **Java Spring Boot microservices**.
- **Developed and optimized SSIS packages** to facilitate **ETL processes** between **SQL Server and mainframe DB2**, improving data consistency.
- **Refactored .NET web services** to enhance compatibility with **Java-based microservices**, reducing response time by **25%** in cross-platform transactions.
- **Collaborated with mainframe teams** to modernize COBOL-based billing logic while ensuring seamless integration with distributed **Spring Boot** services.

- **Integrated billing applications with MQ/WMQI messaging** to facilitate reliable communication between **Java, .NET, and mainframe** components.
- **Contributed to Agile sprints** by analyzing product backlogs, estimating tasks, and implementing features that improved billing policy lifecycle efficiency.
- **Led knowledge-sharing sessions** on best practices for integrating **legacy and modern billing systems**, improving cross-team collaboration.
- **Participated in on-call support rotations**, resolving critical production issues in **billing transactions, payment processing, and customer account updates**.

Target   **May 2019 - Jul 2021**
Java Developer   **Hyderabad, India**

- **Developed and maintained microservices** for Target's **e-commerce and inventory management systems** using **Java, Spring Boot, and Kotlin,** ensuring high performance and scalability.
- **Implemented RESTful APIs** to facilitate seamless data exchange between **backend services and frontend applications (React.js)**, enhancing user experience.
- **Optimized SQL and NoSQL queries** in **PostgreSQL and MongoDB** to improve database performance, reducing response times by **30**% for high-traffic services.
- **Built and integrated authentication and authorization modules** using **Spring Security and OAuth**, improving system security for customer transactions.
- **Developed and executed automated test cases** with **JUnit and Mockito**, achieving **85**% **test coverage** to ensure stability and reliability of critical services.
- **Collaborated with UX and product teams** to implement business logic for Target's **order processing and inventory tracking systems**, ensuring accurate stock availability.
- **Worked with cross-functional teams** to migrate legacy monolithic services to **microservices-based architecture**, improving system modularity and maintainability.
- **Implemented caching mechanisms** using **Redis**, reducing API response times by **40%,** leading to a smoother shopping experience.
- **Integrated CI/CD pipelines** using **Jenkins and GitHub Actions**, automating deployment workflows and reducing deployment time from **hours to minutes**.
- **Debugged and resolved production issues** in critical services handling **millions of daily transactions**, ensuring minimal downtime.
- **Monitored application performance** using **New Relic and Prometheus**, proactively identifying and resolving performance bottlenecks.
- **Mentored fellow junior developers**, conducting code reviews and knowledge-sharing sessions to uphold best practices in microservices development.

EDUCATION

Texas Tech University | Master's, computer science   **May – 2024, Lubbock, TX**

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.