SRI KUMBAM

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PROFESSIONAL SUMMARY

Experienced **Java Full Stack Developer** with 5+ years of expertise in designing and developing scalable applications using **Java**, **Spring Boot**, **Microservices**, and **REST APIs**. Proficient in building responsive user interfaces with **React.js**, **Angular**, and **TypeScript**, with a strong understanding of **frontend performance optimization**. Skilled in implementing **event-driven architectures** using **Kafka** and **RabbitMQ** and deploying applications on **AWS** and **Azure** cloud platforms. Hands-on experience with **Docker**, **Kubernetes**, **GitLab CI/CD,** and database technologies like **PostgreSQL**, **MongoDB**, and **Oracle**. Strong collaborator with experience in Agile environments, mentoring teams, and driving high-quality software delivery.

TECHNICAL SKILLS

Programming Languages: Java (8/11/17), C#, SQL, PL/SQL, Python, Scripting
Backend Development: J2EE, Spring, Spring Boot, Spring MVC, JPA, JDBC, JSP, RESTful APIs, SOAP, JMS, Vert.x
Frontend Development: HTML5, CSS3, JavaScript, Ajax, Angular (15/16), React, Node.js
Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Docker, Jenkins, SonarQube, GitHub Actions
Big Data & Stream Processing: Apache Kafka, EMS, Rabbit MQ
Databases & Storage: MySQL, PostgreSQL, MongoDB, Oracle, AWS, Sybase, DynamoDB, Snowflake
Testing & Monitoring: JUnit, Mockito, TestNG, Cucumber, Selenium, Jasmine, Kibana, Splunk, Symphony
Tools & IDEs: IntelliJ IDEA, Eclipse, Maven, Gradle, Visual Studio Code, Jira
Version Control: GitLab, SVN, Bitbucket, GitHub

PROFESSIONAL EXPERIENCE

Discover Financial Services

Java Full Stack Developer   **Schaumburg, IL (Remote-US) | Jun 2023 - Present**

- Designed and developed a **centralized Book Keeping System** to track and reconcile financial transactions across departments and vendors.
- Migrated 8+ legacy modules from **J2EE/EMS Queues** to **Java 17** with **Spring Boot**, leveraging **enhanced switch**, **records**, and **text blocks** for cleaner, maintainable code with efficient use of Data structures.
- Developed and consumed **RESTful APIs** using **Spring Boot REST Client**, enabling robust inter-service communication and third-party vendor integrations.
- Implemented **Apache Kafka producer and consumer** models, optimizing **partitioning**, **message keying**, and **consumer groups** to enable **scalable event-driven microservices architecture.**
- Built and managed **Spring Batch** jobs to handle monthly processing of over **10 million ledger transactions**, including **archiving**, **purging**, and **masking routines** integrated with downstream analytics.
- Optimized **JVM memory and CPU usage** by tuning **heap sizes**, **Garbage Collection (G1GC)** settings, and thread pools, resulting in improved performance and reduced latency under high transaction loads.
- Developed responsive, accessible UI components using **HTML5**, **CSS3**, **SCSS Tokens**, and **TypeScript**, ensuring compliance with **modern web development standards** and accessibility (WCAG) guidelines.
- Migrated legacy applications to **Angular with TypeScript**, applying **lazy loading**, **code splitting**, and **async module injection**, resulting in a **30% improvement in load time and interactivity.**
- Implemented advanced data visualizations using **D3.js** and **ECharts** for real-time insights into financial transactions, empowering stakeholders with intuitive and actionable dashboards.
- Utilized **NgRx** for efficient state management across large-scale Angular apps, enhancing performance, modularity, and predictability of data flow.
- Led frontend testing initiatives using **Jest** and **Playwright**, achieving over **90% code coverage** and reducing regression issues, while aligning UX improvements with business goals through collaborative design reviews and A/B testing.

- Migrated key enterprise applications from **Angular** to **React.js** to align with evolving frontend strategy and improve performance across modules like **vendor onboarding**, **transaction search**, and **real-time SLA monitoring**, resulting in a **25% reduction in load times** and simplified component reusability across teams.
- Architected data workflows using **DB2** and **Oracle** databases, optimizing **indexing**, **query plans**, and **stored procedures** to support high-throughput financial processing.
- Designed hybrid storage solutions using **Amazon RDS** for transactional data and **DynamoDB** for flexible, **schema-less storage** of vendor metadata and SLA configurations.
- Integrated with **AWS S3** for **object storage** of transaction logs and compliance archives, implementing **bucket policies**, **encryption**, and **lifecycle configurations.**
- Deployed **AWS Lambda** functions for lightweight **validation** and **reconciliation triggers**, reducing response time for critical workflows.
- Managed infrastructure via **AWS CloudFormation** templates, provisioning **Elastic Beanstalk**, **EC2 instances**, and **S3 buckets** as part of **infrastructure-as-code deployments.**
- Containerized microservices using **Docker** and orchestrated deployments on **Kubernetes (EKS)** clusters with **blue-green deployments** and **rolling updates.**
- Developed and maintained **GitLab CI/CD pipelines**, integrating **build**, **test**, **static code analysis**, and **Kubernetes deployment stages**, cutting release time by **50%.**
- Utilized **Git** with **GitLab** for version control, managing **branching strategies**, **merge requests**, and **code reviews** to ensure consistent delivery pipelines.
- Mentored and led a **cross-functional team of 4 engineers**, ensuring adherence to **Agile practices**, conducting **sprint planning**, and facilitating **peer code reviews.**
- Automated batch orchestration using **Korn shell scripting**, integrating jobs into **enterprise schedulers** for **time-critical settlements** and **audit processing.**
- Built **alerting mechanisms** with **Slack** and **email notifications**, creating **fallback handlers** for **SLA-critical operations**, reducing incident response time by **60%.**

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

- Built a **claim submission interface** enabling users to upload **photos, videos, and documents**, reducing manual errors and improving customer experience across auto and home insurance modules.
- Developed a responsive, component-driven **web platform** using **Angular**, **React**, and **TypeScript**, streamlining **claim initiation**, **status tracking**, and **communication workflows.**
- Designed and implemented **RESTful backend services** using **Java 11**, **Spring Boot**, and **Hibernate ORM**, managing **claim validation**, **user authentication**, and **claims history.**
- Integrated **RabbitMQ** for **asynchronous messaging**, enabling decoupled event processing and reducing average processing time for large claim batches by **40%.**
- Architected a **microservices-based ecosystem**, containerized via **Docker** and orchestrated using **Argo CD** for declarative, GitOps-driven deployments across QA and production environments.
- Leveraged **Azure App Service** and **Azure Functions** to host backend services and automate claim validation processes, enhancing elasticity and reducing operational overhead.
- Used **Azure Key Vault** to securely store and manage secrets, tokens, and database credentials for backend services, ensuring regulatory compliance and secure integration.
- Stored and managed uploaded claim files in **AWS S3**, enabling encryption, scalable object storage integrated with metadata tagging and version control for document lifecycle.
- Utilized **Oracle DB** for structured transactional data and **MongoDB** for storing unstructured document metadata and customer interaction logs.
- Integrated **Azure Cosmos DB** for storing dynamic, high-velocity customer interaction logs and claim status updates, improving scalability and response times for real-time support applications.

- Managed source code and facilitated team collaboration using **Bitbucket**, implementing **branching strategies**, **pull request workflows**, and **code reviews** to ensure version control consistency and code quality across the development team
- Implemented **unit and integration testing** using **JUnit**, **Mockito**, and **Postman**, achieving **90% code coverage** across backend modules and reducing post-deployment defects.
- Collaborated with UI/UX and QA teams to deliver modules in biweekly sprints, implementing **real-time updates** in claims dashboard using **RxJS**, **WebSockets**, and REST polling strategies.
- Migrated legacy components to **React**, improving performance and code maintainability for business-critical applications like **policy lookup** and **claims reassessment**.
- Monitored application health using **Azure Monitor**, **Application Insights**, and **Splunk**, enabling proactive detection of latency issues and improving system uptime to **99.98%.**
- Served as the **Single Point of Contact (SPOC)** for backend claim APIs, mentoring junior developers in **code quality**, **test automation**, and **Agile development practices.**

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

- Designed and developed backend services using **Java 8** and **Spring Framework** within a **monolithic multi-module architecture**, enabling modular codebase and reusability across multiple e-commerce modules.
- Implemented core **Java 8 features** such as **Streams**, **Lambda expressions**, and **Optional APIs** to enhance code readability and reduce boilerplate in data processing logic.
- Developed **email triggering workflows** to send real-time **notifications and promotional alerts**, integrating with external SMTP providers and applying dynamic **email template generation** using Thymeleaf.
- Built backend logic for the **Deals & Offers system** with **PostgreSQL**, writing optimized SQL queries using **EXPLAIN ANALYZE** and **indexing strategies** to improve query performance under high traffic.
- Integrated **MongoDB** for storing semi-structured product attributes and promotions metadata, enabling flexible querying and fast data retrieval for frontend rendering.
- Created scheduled **batch jobs and cron jobs** using **Vert.x** asynchronous processing to generate and publish **daily deals**, flash offers, and inventory updates, ensuring timely refresh of content during peak hours.
- Adopted **event-driven architecture** using **Apache Kafka**, streaming real-time updates of product availability, pricing, and deal changes across internal services.
- Managed build and dependency structure using **multi-module Maven projects**, leveraging **JFrog Artifactory** as a **central repository** for versioned artifacts and dependency resolution.
- Handled **GitHub**-based version control and collaboration, enforcing pull request workflows, code review standards, and branching strategies in alignment with Agile practices.
- Deployed applications on **IBM WebSphere Application Server**, configuring deployment descriptors and managing runtime environments across staging and production clusters.
- Worked closely with QA, DevOps, and UI teams throughout the **entire SDLC**, participating in **daily scrums**, **sprint planning**, and **UAT support** for production rollout.
- Mentored 3 junior developers as the **SPOC** for the backend team, providing guidance on code quality, build optimizations, and test coverage improvements.

EDUCATION
TEXAS TECH UNIVERSITY   **Lubbock, TX | Aug 2022 – May 2024**
Masters in Computer and Information Science

CERTIFICATIONS
- AWS Cloud Technology Consultant
- AZ-900: Microsoft Azure Fundamentals Certification-Certificate
- IBM full stack Software Developer Professional Certificate
- Harvard CS50's Introduction to Programming with Python