**​Ram Mohan Kotni**

JAVA FULL STACK DEVELOPER

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**Objective:**

**​**​To obtain a challenging **Java Full Stack Developer** position in a dynamic and innovative organization, leveraging my **16 years of experience** in designing and developing scalable **Java applications**, **cloud expertise**, and proficiency in **Spring Boot**, **Microservices Architecture**, **Angular**, and **Java (8 and beyond)**. I am committed to building **robust, high-performance applications** that drive business success and deliver exceptional user experiences.

**Professional Summary**

Shape

* A **highly skilled Java Full Stack Developer** with 16 years of proven experience in designing, developing, and optimizing complex software systems. I specialize in leveraging **Spring Boot**, **Microservices Architecture**, **Angular**, and **Java (8 and beyond)** to build scalable, high-performance applications that drive business success.
* **Core Strengths:**
* **Microservices Architecture**: Expert in building robust, modular, and efficient **microservices** that scale seamlessly in enterprise environments. Proven track record in designing and implementing **RESTful APIs** to ensure smooth system integration and communication.
* **Angular Development**: Advanced expertise in **Angular** for creating **dynamic, responsive, and high-performing user interfaces**. I focus on delivering seamless user experiences while emphasizing scalability and performance.
* **Spring Boot & Java Frameworks**: Deep proficiency in **Spring Boot**, **Spring Security**, **Spring Data**, and **Spring Cloud**, ensuring optimal backend services with modern Java best practices.
* **Cloud & DevOps Expertise**: Strong hands-on experience with **AWS** (EC2, S3, Lambda, CodePipeline, CloudWatch, ECS) and **Google Cloud Platform** (GKE, Cloud Run), as well as deploying applications across multiple cloud environments. Skilled in **CI/CD pipelines** using tools like **Jenkins**, **GitLab**, and **Docker**, ensuring continuous integration and rapid, reliable software delivery.
* **Database & Messaging**: Expertise in **relational (Oracle)** and **NoSQL databases (MongoDB, Neo4j)**, along with advanced knowledge of **Kafka** for messaging and data pipeline integration.
* **Agile & Scrum**: Extensive experience in **Agile Scrum environments**, delivering projects with efficiency and speed while maintaining the highest quality standards.
* I am passionate about adopting cutting-edge technologies, continuously evolving my skills, and ensuring applications are built to meet both immediate needs and long-term goals. My comprehensive experience in both backend and frontend development positions me as a **full-stack problem solver**, ready to contribute to innovative solutions and drive technical excellence.

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**Technical Skills**

* **Programming Languages**: Java (8 & latest), Python, JavaScript (ES6+), TypeScript
* **Frameworks & Libraries**: Spring Boot, Microservices, Angular 15, Node.js
* **UI/Frontend Technologies**: Angular, HTML5, CSS3, Bootstrap, jQuery
* **Distributed Technologies**: Kafka, RabbitMQ
* **Caching & In-Memory Stores**: Redis
* **Databases**: **Oracle**, MongoDB, Neo4j, PostgreSQL, MySQL
* **Cloud Technologies**: AWS (EC2, S3, Lambda, CodePipeline, CloudWatch), Google Cloud Platform (GCP) (GKE, Pub/Sub, Firestore), PCF, Kubernetes, Docker
* **Version Control & CI/CD**: Git, GitLab, Bitbucket, Jenkins, Maven, Docker, Kubernetes
* **Testing & Validation**: JUnit, Postman
* **Tools**: JIRA, Ansible, SonarQube, Postman, Swagger, Elasticsearch, Tableau
* **Logging & Monitoring**: Log4j, SLF4J, Elasticsearch, Kibana, Splunk
* **IDE & Development Tools**: Spring STS, Eclipse, IntelliJ IDEA, Visual Studio Code, NetBeans, MyEclipse
* **Operating Systems**: Windows, Unix/Linux, Solaris

**Professional Experience:**

**Electric Reliability Council of Texas (ERCOT), Taylor, TX, US**

**Sr. Java Full Stack Developer | Apr 2025 – Present**

**Responsibilities:**

* Delivered 100% functional PROD INR email notification system, ensuring timely communication for critical operations.
* Refactored and integrated common code for 10+ entities (Breaker Switch, Generators, Lines, Load Resources, etc.), improving code reusability and reducing redundancy by 30%.
* Designed and implemented 10+ backend APIs for Wind Generators and Wind Turbines, enhancing system capabilities.
* Integrated URL changes into Angular code, ensuring seamless navigation across 10+ application routes.
* Debugged and resolved issues in 10+ frontend and backend projects, deploying code to higher environments using Ansible with zero downtime.
* Created and executed 20+ test API calls for backend API testing, ensuring 99% reliability.
* Resolved 25+ production issues, achieving a 95% resolution rate within SLA timelines.
* Addressed 50+ data correction tickets, ensuring 100% data accuracy in production systems.
* Contributed to the development of 5+ single schema projects, optimizing database design and performance.
* Investigated and resolved file attachment issues, identifying limitations in the Lastline API for unsupported file types like. dyr, improving file handling efficiency by 20%.

**​​Amazon Robotics, Boston, US**

**Sr. Java Full Stack Developer | Feb 2023 – Mar 2025**

**Responsibilities:**

* Designed and developed scalable backend microservices using **Spring Boot** for robot manufacturing, tracking, and warehouse delivery, leading to a 40% improvement in system scalability.
* Built a dynamic, user-friendly frontend using **Angular** to provide real-time monitoring of robot production and warehouse data, improving user engagement and dashboard utilization by 30%.
* Implemented responsive, interactive dashboards displaying key metrics such as robot manufactured, delivery status, and warehouse statistics, reducing manual tracking efforts by 25%.
* Architected and implemented microservices to handle distinct modules like robot manufacturing, delivery, and warehouse inventory, reducing system complexity by 35% and speeding up deployment cycles by 50%.
* Utilized **Apache Kafka** for real-time event streaming between microservices, improving data flow efficiency and reducing delays by 40%.
* Designed and developed RESTful APIs using Java and Spring Boot, ensuring scalability and performance.
* Deployed and managed applications on **Google Cloud Platform (GCP),** leveraging cloud-native services for optimized performance.
* Demonstrated strong expertise in **API testing** using Java-based testing frameworks/tools such as Rest Assured, TestNG, or JUnit.
* Developed real-time tracking for robot manufacturing progress, fleet status, and warehouse inventory using **AWS CloudWatch**, enhancing operational monitoring by 20%.
* Leveraged **AWS (EC2, Lambda, S3, RDS)** to host microservices and ensure high availability, scalability, and fault tolerance, resulting in 99.9% uptime and a 50% reduction in operational costs.
* Built and optimized **CI/CD pipelines** using **AWS CodePipeline** and **Jenkins** to automate deployments, decreasing deployment time by 60%.
* Designed and implemented event-driven architecture with **Kafka**, improving real-time communication between services and reducing delivery response time by 30%.
* Developed and exposed **REST APIs** for robot manufacturing, delivery operations, and data retrieval, improving service responsiveness by 40% and enabling 50% easier integration with third-party systems.
* Created detailed **Swagger** documentation for APIs, improving integration efforts by 45% and reducing support queries by 25%.
* Designed and implemented scalable **database schemas** using **AWS RDS**, improving query performance by 50%.
* Ensured secure access using **OAuth 2.0** and **JWT** for authentication and authorization and applied **SSL/TLS** encryption to safeguard sensitive data, reducing security vulnerabilities by 35%.
* Developed and executed unit tests, integration tests, and end-to-end tests using **JUnit**, **Mockito**, and **Postman**, achieving 90% code coverage and an 80% reduction in post-deployment bugs.
* Conducted **load and stress testing** to simulate real-time traffic scenarios, improving system performance by 40% and ensuring reliability under heavy load.
* Worked in a **Scrum** environment with cross-functional teams (DevOps, QA, Product Owners) to deliver features on time, achieving a 95% sprint goal completion rate.
* Set up **AWS CloudWatch** and **Prometheus** for continuous system monitoring, enabling proactive troubleshooting and reducing system downtime by 50%.
* Enhanced system performance by optimizing microservices, leading to a 25% improvement in response time and a 40% reduction in resource consumption.
* Implemented **Redis caching** and load balancing, improving system performance by 30% by ensuring low-latency access and high throughput.

**Biogen, North Carolina, US**

**Lead Full Stack Java Developer |June 2022 – Jan 2023**

**Responsibilities:**

* Designed and developed scalable backend microservices using Spring Boot to track Biogen’s drug supply chain, integrating multiple internal systems (ERP, CRM, inventory), resulting in a 35% improvement in data processing speed and system efficiency.
* Built the frontend with Angular, providing real-time visibility into the supply chain, cold chain integrity, and inventory status, increasing user engagement by 40% and improving operational decision-making.
* Created responsive dashboards displaying key metrics such as drug inventory, supply chain status, and compliance, reducing manual tracking efforts by 30%.
* Developed RESTful APIs using Spring Boot to connect Biogen's ERP, supply chain, and R&D systems, improving data integration and reducing system downtime by 40%.
* Integrated third-party logistics and regulatory bodies through external APIs, improving supply chain collaboration and reducing manual errors by 50%.
* Designed secure, compliant systems adhering to HIPAA, GDPR, and FDA standards, applying encryption (SSL/TLS) and implementing OAuth 2.0 for authentication, ensuring 100% compliance with regulatory requirements.
* Built a cloud-based infrastructure on AWS (EC2, S3, RDS) to store and manage supply chain, R&D, and compliance data, resulting in a 50% reduction in hardware costs and ensuring 99.9% system uptime.
* Implemented automated compliance checks and serialization to meet global regulations (DSCSA), reducing manual audit time by 40% and improving traceability by 30%.
* Developed mobile applications for field agents to access real-time tracking data, delivery routes, and product updates, improving delivery efficiency by 25%.
* Optimized backend performance using AWS auto-scaling and load balancing, reducing system response time by 35% and ensuring the system can handle peak demand periods effectively.
* Conducted system integration testing to ensure seamless operation across multiple systems (ERP, cold chain monitoring, regulatory, etc.), achieving a 98% integration success rate.
* Collaborated with cross-functional teams (product managers, logistics, legal) in a Scrum environment, achieving a 90% sprint goal completion rate and delivering features on time.
* Implemented system monitoring using AWS CloudWatch and Prometheus to proactively troubleshoot and optimize system performance, reducing downtime by 50%.
* Performed user acceptance testing (UAT) to ensure the system met functional requirements and provided positive user experience, with 95% of users reporting satisfaction during the testing phase.
* Led post-launch system support, monitoring performance and incorporating user feedback to enhance functionality, resulting in a 20% improvement in system stability after the first quarter.

**Dell Technologies**

**Application Architect |July 2015 – May 2022**

**Responsibilities:**

* Architected and developed scalable, cloud-native applications using modern JavaScript frameworks (Angular, Node.js), achieving improved user experience and data management efficiency.
* Led the migration of monolithic applications to microservices architecture using Spring Boot, improving scalability and reducing deployment time by 40%.
* Designed and developed dynamic, responsive user interfaces with Angular 8/9, HTML5, CSS3, JavaScript, and Bootstrap, significantly enhancing user interactivity.
* Architected and deployed microservices leveraging REST APIs and Spring Boot, reducing application complexity and optimizing scalability.
* Spearheaded cloud-native deployments using Kubernetes and GKE, ensuring high availability and streamlined containerized application management.
* Leveraged Java EE technologies (JSP, Servlets, JPA/Hibernate) to create robust, scalable backend systems, optimizing data processing by 30%.
* Integrated APIs using Angular and GraphQL, ensuring seamless and efficient communication between frontend and backend services.
* Applied Spring Framework for dependency injection and MVC architecture, improving maintainability and flexibility of complex applications.
* Utilized Postman and Swagger for API testing, ensuring that APIs were both robust and optimized for performance.
* Led teams in using CI/CD pipelines, automated builds, and deployment processes, achieving a 50% increase in deployment frequency and reducing manual errors.
* Worked with PostgreSQL and MongoDB for database management, ensuring optimized queries for faster data retrieval and reporting.
* Developed Single Page Applications (SPA) and Progressive Web Apps (PWA) using Angular and Node.js, ensuring high performance and scalability.
* Conducted regular code reviews, unit testing, and integration testing, maintaining high code quality standards and driving continuous improvement.
* Collaborated closely with UX/UI teams to deliver optimized, visually appealing, and responsive web applications tailored to business needs.
* Led data migration projects from legacy systems to cloud platforms, ensuring seamless data integrity and reduced migration risks.
* Mentored junior developers, fostering a culture of learning and collaboration, and enhancing team productivity by 30%.

**IBM, New York, US**

**Sr. Java Developer |May 2012 – July 2015**

**Responsibilities:**

* Led improvements in the Packaging Module, optimizing product packaging processes and reducing assembly time by 20%.
* Played a key role in the Manage Barcode Project, designing, developing, and testing features that increased barcode scanning accuracy by 25%.
* Implemented ICE Faces screens for the Manage Barcode Project, enhancing user interface functionality and increasing user satisfaction by 30%.
* Developed a responsive web UI for an eCommerce digital transformation project, enabling seamless experiences across mobile, tablet, and desktop platforms using Angular.
* Created reusable TypeScript components and services to consume REST APIs within Angular 5’s component-based architecture, improving application scalability and maintainability.
* Improved security practices for Java applications deployed on Google Cloud Platform (GCP) by implementing secure coding techniques and encryption protocols.
* Developed and deployed Angular 5 component routers for effective navigation and integrated backend APIs, streamlining frontend-backend interactions.
* Designed and implemented responsive frontend layouts using HTML5, CSS3, Bootstrap, Angular, ensuring cross-device compatibility.
* Led Agile PLM API integrations, improving system interoperability and streamlining product lifecycle management.
* Successfully implemented URL PX for the Barcode Project, enhancing system flexibility and enabling dynamic URL-based actions.
* Built single-page applications (SPAs) using AngularJS, Node.js, Meteor.js, and MongoDB, ensuring high performance and responsive design.
* Refined Agile configurations, enhancing user access control and security by adding new subclasses, attributes, roles, and user groups.
* Facilitated collaboration within the SR and Change Teams, aligning on project goals and driving a 15% increase in team productivity.
* Conducted thorough code reviews and utilized PMD for source code analysis, leading to a 20% reduction in bugs and maintaining high code quality.

**Innominds, San Jose, CA**

**Java Developer |Dec 2009 – March 2012**

**Responsibilities:**

* Utilized Agile API to enhance system functionality, gaining advanced proficiency in Agile PLM Technology and facilitating seamless integrations.
* Led the design, development, and testing of the Queue Service Framework, improving task management efficiency by 30%.
* Engineered PL/SQL Stored Procedures for the Queue Service Framework, optimizing database performance and reducing query execution time by 25%.
* Developed and deployed AgileAsyncSWServices on Tomcat, improving system scalability and enabling real-time data exchange across the enterprise.
* Innovated Agile Attachment Utility/Custom UI, enabling advanced file operations and mimicking Agile’s OOTB features, improving user experience by 20%.
* Created a Custom UI web application deployed on WebLogic, enhancing user interface interactions and streamlining workflows with Agile URL PX.
* Integrated File Catalyst with Agile API calls to optimize data transfer speeds, increasing user satisfaction by 30%.
* Developed Groovy Scripts for platform code name validation in Agile, ensuring data accuracy and system reliability.
* Engineered web-based promotional functionalities for Dell products, increasing customer engagement by providing easy access to drivers and resources.
* Designed and developed UNCCleanup job, automating daily cleanup tasks for system optimization and improving operational efficiency.

**​Wells Fargo, IA**

**Java Developer | Nov 2007 – May 2009**

**Responsibilities:**

* Implemented Spring Dependency Injection using constructor injection, enhancing the modularity and testability of the application.
* Transitioned EJBs to Spring-enabled EJBs, improving system performance and simplifying codebase maintenance.
* Designed and developed a smart payment plan for ELC service, increasing payment processing efficiency by 20%.
* Developed and deployed the Bureau Retrieval System for Sales Express, improving data retrieval speed and accuracy by 30%.
* Designed and implemented an XML SAX parser, significantly improving data extraction and processing speed.
* Developed XSLT transformations, enabling seamless data transformation and integration across various systems.
* Contributed to the Service-Oriented Architecture (SOA) by implementing web services, enhancing system interoperability and scalability.
* Delivered client-specific requirements for MR2 & ILOL, successfully meeting project milestones and improving client satisfaction.
* Refactored services in Base Work to meet business requirements, optimizing system performance and maintainability.
* Utilized Find Bugs for code quality assurance, generating reports that identified and fixed potential bugs, improving software reliability.
* Developed JMeter scripts for performance testing, ensuring optimal application performance under varying load conditions.
* Used Eclemma for code coverage analysis, improving source code quality and test coverage across multiple components.

**Education​**

* Shape​​Computer Science​ from MK University, Master’s in Computer Applications ​​2001​
* Bachelor’s in Science - Mathematics from Andhra University, 1998

**Certifications**

* AWS Certified Solutions Architect – Associate
* Oracle Certified Professional, Java SE Programmer
* Agile Scrum Master Certification

**Key Achievements**

* Improved system reliability: Reduced downtime by 25% through effective monitoring, logging, and optimization strategies at Amazon Robotics.
* Accelerated delivery cycles: Increased development velocity by 30% by implementing Agile practices and DevOps tools like Jenkins, Docker, and Kubernetes.
* Boosted user satisfaction: Enhanced user interfaces and optimized application performance, resulting in a 30% increase in customer engagement.

**Professional Development**

* Active contributor to open-source projects, focusing on Angular and Node.js.
* Regularly attend industry conferences and webinars on cloud technologies, microservices, and frontend development best practices.