**Anusha Reddy**

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**Sr Java Full Stack Developer**

**Professional Summary:**

* **Senior Java Full Stack Developer** with **9+ years** of experience in designing, developing, and deploying scalable applications.
* Expertise in **Java (Java 17/11/8), Spring Boot, Spring Cloud, Spring Security, Hibernate, and JPA**.
* Strong experience in **microservices architecture**, **event-driven systems**, and **RESTful & GraphQL APIs**.
* Proficient in **frontend development** using **React.js, Redux, AngularJS, HTML5, CSS3, Bootstrap, and Tailwind CSS**.
* Hands-on experience with **message brokers** such as **Apache Kafka, RabbitMQ, and AWS SQS/SNS**.
* Expertise in **authentication & security** using **OAuth 2.0, JWT, SAML, and Okta**.
* Strong knowledge of **DevOps** and **CI/CD pipelines** using **Docker, Kubernetes (EKS), Jenkins, GitHub Actions, AWS CodePipeline, and Terraform**.
* Experience in **AWS cloud services** including **EC2, Lambda, S3, API Gateway, RDS, DynamoDB, CloudFront, and Auto Scaling**.
* Hands-on experience **integrating AI** capabilities into enterprise Java applications using **LangChain**, **OpenAI** APIs, and large language models (LLMs)
* Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
* Experience in testing responsive web and mobile-friendly applications using Android Studio and device emulators; familiar with mobile deployment workflows and debugging tools.
* **Integrated** **LangChain** with Java Spring Boot services to create conversational agents and AI assistants for enterprise workflows.
* Proficient in **database management** with **PostgreSQL, MongoDB, Redis, DynamoDB, Oracle 11g, and MySQL**.
* Experience in **monitoring & observability** using **Prometheus, Grafana, and AWS CloudWatch**.
* Skilled in **test-driven development (TDD) and behavior-driven development (BDD)** using **JUnit, Mockito, Cypress, Jest, and TestContainers**.
* Strong understanding of **Agile (Scrum/Kanban) methodologies** and collaboration tools like **JIRA, Confluence**.
* Proficient in **version control systems** such as **Git and SVN**.
* Excellent problem-solving, analytical, and communication skills, ensuring high-quality software development.

**Technical Skills:**

* **Programming Languages:** Java (Java 17, Java 11, Java 8, Java 7), TypeScript, JavaScript
* **Backend Technologies:** Spring Boot, Spring Cloud, Spring Security, Spring WebFlux, Spring Data JPA, Spring Batch, Hibernate, GraphQL
* Mobile Testing Tools: Android Studio, Device Emulators, Chrome DevTools (for responsive testing)
* **Frontend Technologies:** React.js, Redux, Tailwind CSS, HTML5, CSS3, JSP, Servlets, AngularJS
* **API Development & Authentication:** RESTful APIs, GraphQL APIs, OAuth 2.0, JWT, Keycloak
* **Event-Driven & Messaging Systems:** Apache Kafka, RabbitMQ, AWS SQS, AWS SNS
* **Databases:** PostgreSQL, MongoDB, Redis, DynamoDB, Oracle 11g, MySQL
* **DevOps & CI/CD:** Docker, Kubernetes (EKS), Jenkins, GitHub Actions, AWS CodePipeline, Terraform
* **Cloud & Infrastructure:** AWS (EC2, Lambda, S3, API Gateway, RDS, DynamoDB, CloudFront, EKS, Auto Scaling), Infrastructure as Code (IaC) using Terraform
* **Testing & Quality Assurance:** JUnit, Mockito, Cypress, Jest, TestContainers, Performance Testing (JProfiler, New Relic)
* **AI & LLM Tools:** LangChain, OpenAI API, Hugging Face Transformers, Prompt Engineering, Vector Databases (FAISS, Pinecone)
* **Monitoring & Observability:** Prometheus, Grafana, AWS CloudWatch
* **Version Control & Project Management:** Git, SVN, JIRA, Confluence
* **Methodologies & Practices:** Agile (Scrum, Kanban), Microservices Architecture, TDD (Test-Driven Development), BDD (Behavior-Driven Development)

**Education Details:**

* **Bachelor’s: St. Mary’s Engineering Collage, CSE, 2014**
* **Master’s: Saint Peters University, Data Science, 2021**

**Professional Experience:**

**Company:** BNY Mellon, Jersey City, NJ  
**Duration:** January 2024 – Till now   
**Role:** Sr. Java Full Stack Developer

**Responsibilities:**

* **Developed & optimized** microservices using **Java 17, Spring Boot, Spring Cloud**, and **Reactive Programming (WebFlux)** for high-performance, scalable applications.
* Designed and implemented **RESTful and GraphQL APIs**, enabling seamless communication between microservices and front-end applications.
* Developed the **front-end UI using React.js, TypeScript, Redux, and Tailwind CSS**, ensuring a highly responsive and interactive user experience.
* Integrated **OAuth 2.0, JWT, and Keycloak** for robust authentication and authorization, ensuring secure API access.
* Performed root cause analysis (RCA) and implemented preventive and corrective actions for recurring production issues in accordance with defined SLA and KPI metrics.
* Managed application environment configurations and deployments across dev, QA, and prod environments, including user management and role-based access controls.
* Collaborated with security teams to monitor vulnerabilities, resolve findings from automated scans, and ensure compliance with security best practices.
* Leveraged **Apache Kafka and RabbitMQ** for event-driven architecture, enhancing real-time data streaming and processing.
* Worked with **PostgreSQL, MongoDB, and Redis**, implementing database indexing, caching, and query optimization to improve performance.
* Utilized **Kubernetes (EKS) and Docker** for container orchestration, ensuring efficient deployment and scaling in **AWS cloud environments**.
* Developed **Infrastructure as Code (IaC) using Terraform** for automated provisioning of AWS services like **EC2, S3, API Gateway, Lambda, DynamoDB, RDS, and CloudFront**.
* Utilized APM tools such as Dynatrace and New Relic for performance monitoring and optimization of applicationsDesigned prompt templates and chain-of-thought workflows using LangChain to automate decision support logic within enterprise applications.
* Designed and maintained CustomApps to automate internal business workflows, including fraud detection, compliance reporting, and user onboarding processes.
* Developed enterprise-grade custom applications integrating Java-based microservices with React.js frontends, tailored for BNY Mellon’s financial operations.
* Built scalable and secure CustomApps using Spring Boot and AWS services to replace legacy vendor solutions and reduce licensing costs.
* Built and managed **CI/CD pipelines using Jenkins, GitHub Actions, and AWS CodePipeline**, automating deployment and testing workflows.
* Pioneered the use of machine learning techniques in the Actimize environment to predict fraudulent transactions with higher accuracy.
* Refactored legacy codebase to leverage **Java 11+ features**, reducing boilerplate code and improving performanceDeveloped a Java-based microservice that integrates LangChain and OpenAI LLM APIs to provide intelligent chat interfaces and AI-powered document summarization features within the product recommendation engine.
* Enhanced monitoring and observability using **Prometheus, Grafana, and AWS CloudWatch**, setting up alerts for system performance and error tracking.
* Integrated **machine learning models using AWS SageMaker**, applying AI-driven recommendations for user personalization.
* Followed **Agile methodologies (Scrum)**, actively participating in sprint planning, stand-ups, and retrospectives using **JIRA and Confluence**.
* eveloped LangChain-powered microservices for contextual question answering using vector embeddings and document chaining, deployed alongside Java-based backend.
* Conducted **unit, integration, and end-to-end testing** using **JUnit, Mockito, Cypress, Jest, and TestContainers**, achieving high code quality and coverage.
* Led a **team of junior developers**, conducting code reviews, mentoring, and enforcing development best practices.

**Technologies Used:** Java 17, Spring Boot, Spring Cloud, Spring WebFlux, GraphQL, React.js, TypeScript, Redux, Tailwind CSS, OAuth 2.0, JWT, Keycloak, Apache Kafka, RabbitMQ, PostgreSQL, MongoDB, Redis, AWS (EC2, Lambda, S3, API Gateway, RDS, DynamoDB, CloudFront), Kubernetes (EKS), Docker, Jenkins, GitHub Actions, AWS CodePipeline, Terraform, Prometheus, Grafana, AWS CloudWatch, JUnit, Mockito, Cypress, Jest, TestContainers, JIRA, Confluence

**Company:** eBay, New York, NY  
**Duration:** November 2022 – December 2023   
**Role:** Sr. Java Full Stack Developer

**Responsibilities:**

* Developed scalable **microservices** using **Java 17, Spring Boot, and Spring Cloud** for a cloud-based e-commerce platform.
* Designed and implemented **RESTful and GraphQL APIs** for seamless communication between front-end and back-end systems.
* Built the **front-end UI** using **React.js, TypeScript, Redux, and Tailwind CSS** for a responsive and dynamic user experience.
* Implemented **OAuth 2.0 and JWT-based authentication** with Spring Security to ensure secure API access.
* Utilized **Apache Kafka** for event-driven architecture, improving real-time data processing and message streaming.
* Provided Tier-2 support for production issues, ensuring timely resolution and adhering to SLA requirements while documenting incident reports and fixes.
* Participated in deployment activities across staging and production environments, coordinating with QA and DevOps teams to ensure zero-downtime releases.
* Assisted in the administration and monitoring of deployed microservices and frontend components on AWS cloud infrastructure.
* Designed a LangChain-based summarization engine to condense long-form logs and automate insights for business stakeholders.
* Integrated **PostgreSQL and MongoDB** for structured and unstructured data storage.
* Developed reusable UI components and state management using **React Hooks and Context API**.
* Optimized API performance using **Redis caching**, reducing response times for frequently accessed data.
* Deployed applications on **AWS (EC2, S3, API Gateway, RDS, Lambda, DynamoDB, CloudFront)** ensuring high availability.
* Developed custom e-commerce admin dashboards and analytics tools using React.js and Spring Boot, enabling business teams to manage product data and inventory in real-time.
* Engineered CustomApps for operational automation including offer management, fraud analysis, and promotion rule engines within the eBay seller platform.
* Integrated third-party APIs and internal services into custom-built applications, optimizing business logic flows and reducing manual tasks.
* Built and managed **CI/CD pipelines** using **Jenkins, GitHub Actions, and AWS CodePipeline** for automated testing and deployment.
* Created **containerized applications** using **Docker and Kubernetes**, deployed on AWS EKS.
* Followed **Agile methodologies**, participating in sprint planning, daily stand-ups, and retrospectives using **JIRA and Confluence**.
* Wrote **unit and integration tests** using **JUnit, Mockito, Cypress, and Jest** to ensure high code quality and test coverage.

**Technologies Used:** Java 17, Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, React.js, TypeScript, Redux, Tailwind CSS, GraphQL, PostgreSQL, MongoDB, Redis, Apache Kafka, RabbitMQ, AWS (EC2, Lambda, S3, API Gateway, RDS, DynamoDB, CloudFront, EKS), Jenkins, GitHub Actions, AWS CodePipeline, Docker, Kubernetes, JUnit, Mockito, Cypress, Jest, JIRA, Confluence

**Company:** T-Mobile, Bellevue, WA, Remote  
**Duration:** February 2021 – October 2022  
**Role:** Java Backend Developer

**Responsibilities:**

* Developed **scalable and high-performance microservices** using **Java 11, Spring Boot, and Spring Cloud**.
* Designed and implemented **RESTful APIs** to support real-time data processing and business logic execution.
* Integrated **Kafka** for event-driven architecture, enabling real-time streaming and message processing.
* Used **Spring Security** with **OAuth 2.0 and JWT** for authentication and authorization.
* Worked with **SQL (PostgreSQL) and NoSQL (MongoDB, DynamoDB)** databases to store and manage structured and unstructured data.
* Implemented **Redis caching** to optimize API response times and reduce database load.
* Developed **batch processing jobs** using **Spring Batch** for scheduled tasks like report generation and data synchronization.
* Utilized **Docker and Kubernetes** for containerization and orchestration of microservices.
* Implemented **CI/CD pipelines** using **Jenkins, GitHub Actions, and AWS CodePipeline** for automated deployments.
* Deployed microservices on **AWS (EC2, Lambda, S3, API Gateway, RDS, DynamoDB, SQS, SNS)**.
* Ensured high availability and scalability by implementing **load balancing** and **auto-scaling** strategies.
* Used **GraphQL** to optimize API queries, improving data retrieval efficiency.
* Participated in **Agile development**, using **JIRA** for sprint planning, daily stand-ups, and retrospectives.
* Conducted **unit and integration testing** with **JUnit, Mockito, and TestContainers** to ensure code quality.

**Technologies Used:** Java 11, Spring Boot, Spring Cloud, Spring Security, Spring Batch, PostgreSQL, MongoDB, DynamoDB, Redis, Apache Kafka, SQS, SNS, Jenkins, GitHub Actions, AWS CodePipeline, Docker, Kubernetes, AWS EC2, Lambda, API Gateway, RDS, DynamoDB, S3, Load Balancers, JUnit, Mockito, TestContainers, JIRA

**Company:** Kellton Tech, Hyderabad, India  
**Duration:** October 2017 – October 2019  
**Role:** Java Developer

**Responsibilities:**

* **Developed RESTful APIs** using **Java 8, Spring Boot**, and **Spring MVC** to handle **travel bookings** for flights, hotels, and cabs.
* **Migrated from monolithic to microservices architecture**, ensuring **scalability and modularization** of services.
* Implemented **asynchronous event processing** using **RabbitMQ** (Kafka was still growing but widely adopted post-2018).
* **Integrated PostgreSQL** for transactional data and **MongoDB** for customer profiles and preferences.
* Used **Spring Security with OAuth 2.0 and JWT** for authentication and access control.
* **Developed batch processing jobs** using **Spring Batch** to process bulk travel bookings and payment reconciliations.
* Optimized API response times using **Redis caching**, reducing direct database queries.
* **Utilized Jenkins for CI/CD**, setting up automated builds, testing, and deployments.
* Worked with **Docker for containerization** and deployed applications on **AWS EC2 instances** (Kubernetes adoption picked up later).
* **Implemented API Gateway using Zuul**, providing centralized authentication and rate-limiting.
* **Participated in Agile Scrum** methodology using **JIRA for tracking user stories, sprint planning, and retrospectives**.
* **Performed unit and integration testing** using **JUnit and Mockito** to ensure robust API functionality.

**Technologies Used:** Java 8, Spring Boot, Spring MVC, Spring Security, Spring Batch, PostgreSQL, MongoDB, Redis, Microservices Architecture, RabbitMQ, Zuul API Gateway, Jenkins, Docker, AWS EC2, JUnit, Mockito, JIRA

**Company:** Sonata Software Solutions, Bangalore, India  
**Duration:** September 2014 – September 2017  
**Role:** Software Engineer

**Responsibilities:**

* Developed **Omni-Channel Retail Management System** using **Java 7/8** and **Spring MVC** to integrate **online and offline retail channels**.
* Designed and implemented **RESTful APIs** for synchronizing inventory, orders, and customer data between **POS systems, e-commerce platforms, and mobile apps**.
* Utilized **JSP and Servlets** for backend rendering before transitioning to **AngularJS** for admin dashboards.
* Developed **batch processing jobs** using **Spring Batch** for periodic **inventory updates and report generation**.
* Integrated **RabbitMQ** for asynchronous messaging and communication between services.
* Used **Oracle 11g** and **MySQL** to handle transactional data, optimizing performance with **PL/SQL procedures**.
* Implemented **OAuth 2.0 authentication** and **LDAP integration** for secure API access control.
* Worked with **SVN for version control**, later migrating to **Git** as the company adopted modern SCM practices.
* Deployed applications on **Apache Tomcat servers**, with **Docker** introduced in later stages for containerized deployments.
* Used **JIRA** for Agile project management and participated in **daily stand-ups, sprint planning, and retrospectives**.
* Integrated **payment gateways** (PayPal, Razorpay) and developed transaction reconciliation features.
* Conducted **performance testing and profiling** using **JProfiler** and **New Relic** to optimize API response times.
* Provided **post-production support**, resolving critical issues and deploying hotfixes to minimize downtime.

**Technologies Used:** Java 7, Java 8 (adopted later), Spring MVC, Hibernate, JSP/Servlets, jQuery, JSP, HTML5, CSS3, Bootstrap (AngularJS introduced around 2016), Oracle 11g, MySQL, PL/SQL, RabbitMQ (Kafka adoption was limited during this period), OAuth 2.0, LDAP, Apache Tomcat, Maven, Jenkins (Docker introduced in later stages), JIRA, SVN (early), Git (later), Postman, JProfiler, New Relic