**RITHWIK REDDY KUNDOOR**  
**JAVA FULL STACK DEVELOPER**

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**PROFESSIONAL SUMMARY:**

* **5+ years of experience** as a Java Full Stack Developer, specializing in building scalable, high-performance applications across various domains, including government, finance, and education.
* Proficient in **Java (8, 11, and 17)**, with advanced skills in **Spring Boot 2.4+**, **Spring Security 5.0**, and **microservices architecture** to design and implement robust **RESTful APIs**.
* Strong expertise in integrating **AWS Cloud services** (EC2, Lambda, S3, RDS), ensuring high availability, scalability, and fault tolerance for cloud-based applications.
* Skilled in developing dynamic and responsive **front-end interfaces** using **Angular 9 & 14+**, **ReactJS**, and **TypeScript**, integrating seamlessly with back-end services.
* Experienced in utilizing **AWS Lambda**, **Docker**, and **Jenkins** to automate CI/CD pipelines, enabling faster development cycles and reduced errors.
* Implemented **OAuth2** and **JWT** for secure authentication and authorization, ensuring compliance with security standards. Knowledgeable in **Apache Kafka** for real-time data streaming, enhancing system performance and enabling seamless microservices communication.
* Expertise in **PostgreSQL**, **MongoDB**, and **SQL databases**, including **JPA/Hibernate**, to optimize database queries and ensure fast data access.
* Extensive experience working with **unit and integration testing** using **JUnit 5** and **Mockito**, ensuring the reliability and stability of services.
* Strong communicator, collaborating closely with **clients** (State of New Mexico, Deloitte, BYJU’s, etc.) to understand requirements and deliver solutions aligned with business needs and regulatory standards.
* Proficient in utilizing tools like **Splunk**, **Postman**, and **Newman** for monitoring, logging, and API testing to ensure application stability.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java 8, 11, 17, TypeScript, Node.js |
| **Frameworks** | Spring Boot 2.4+, Spring Security 5.0, Spring Cloud, Angular 9, 14+, ReactJS, JPA/Hibernate, Apache Kafka |
| **Cloud Technologies** | AWS (EC2, Lambda, S3, RDS), AWS Lambda, Pivotal Cloud Foundry (PCF) |
| **CI/CD & DevOps** | Jenkins, Docker, Kubernetes, AWS EC2, Jenkins Pipelines |
| **Databases** | PostgreSQL, MongoDB, MySQL, Oracle, AWS RDS (PostgreSQL) |
| **Testing** | JUnit 5, Mockito, Postman, Newman, TestNG, Unit Testing, Integration Testing |
| **Security** | OAuth2, JWT, Spring Security 5.0 |
| **Message Brokers** | Apache Kafka 2.8+ |
| **Design Pattern** | Singleton, Factory, Observer |
| **Version Control** | Git, GitHub, Bitbucket |
| **Build Tools** | Maven, Gradle |
| **Containerization** | Docker, Kubernetes |
| **Monitoring & Logging** | Splunk, CloudWatch, ELK stack (Elasticsearch, Logstash, Kibana) |
| **Other Tools** | Jenkins, Postman, Newman, AWS CloudWatch, AWS S3, MongoDB, SQL, Docker |

**PROFESSIONAL EXPERIENCE**

**Client: State of New Mexico**

**Role: Java Full Stack Developer**

**Date: Oct 2024- Present**

**RESPONSIBILITIES:**

* Developed robust, scalable, and high-performance applications using **Java 17** and **Spring Boot 2.5+**, following best practices for microservice architecture.
* Integrated **AWS Cloud services** (EC2, Lambda, S3, RDS) for cloud-based application deployment and monitoring, ensuring high availability and fault tolerance.
* Designed and developed **RESTful APIs** using **Spring Boot 2.5+** and **Spring Security 5.0** to manage authentication and authorization via **OAuth2** and **JWT**. Wrote custom **AWS Lambda** functions to automate serverless processing, providing cost-efficient, scalable services.
* Implemented **AWS RDS (PostgreSQL)** for data storage, optimizing database queries to improve performance and ensure smooth operation of the system.
* Developed the front end using **Angular 14+** for dynamic, responsive user interfaces, integrating it seamlessly with **Spring Boot** backend services.
* Used **Jenkins** for implementing **CI/CD pipelines**, automating the build, testing, and deployment processes for faster delivery and reduced errors. Worked with **Amazon S3** for file storage and integration into the platform, ensuring secure and efficient data handling.
* Developed unit and integration tests using **JUnit 5** and **Mockito**, ensuring the stability and performance of backend services. Implemented **Docker** containerization to package services, enabling portability and simplifying deployment across environments.
* Utilized **Postman** and **Newman** for API testing, ensuring all endpoints perform as expected under different conditions.
* Implemented **Kafka** for real-time event streaming, ensuring data consistency and enabling asynchronous processing across microservices.
* Collaborated directly with the **State of New Mexico's** government team to understand specific requirements, ensuring that the developed solution adhered to strict regulatory and security standards.

**Technical Stack:** Java 17, Spring Boot 2.5+, Spring Security 5.0, Angular 14+, AWS (EC2, Lambda, S3, RDS), Jenkins, Docker, PostgreSQL, JUnit 5, Mockito, Splunk, Postman, AWS Lambda, OAuth2, JWT, Kafka.

**Client: Deloitte**

**Role: Java Full Stack Developer**

**Date: May 2023 – Sept 2024**

**RESPONSIBILITIES:**

* Migrated legacy monolithic applications to **microservices architecture** using **Spring Boot 2.4+** and deployed them on **PCF (Pivotal Cloud Foundry)**, enabling faster and more efficient development cycles.
* Utilized **Java 8** and **Java 11** to implement functional programming features, such as **lambda expressions**, **streams**, and **optional**, to enhance code readability and flexibility.
* Developed **RESTful web services** and **microservices** with **Spring Boot 2.4+**, ensuring the applications are secure, scalable, and easy to maintain.
* Integrated **Spring Cloud** components like **Eureka** for service discovery, **Config Server** for centralized configuration, and **Hystrix** for fault tolerance.
* Worked with **Spring Security 5.0** to implement **OAuth2** and **JWT** for secure communication between services and external systems. Designed and implemented front-end functionality using **Angular 9** and **Angular Material**, ensuring the user interface is responsive, accessible, and aligned with client requirements.
* Utilized **Apache Kafka 2.8+** for handling real-time data streams between microservices, ensuring high availability and minimal data loss. Developed unit tests with **JUnit 5** and **Mockito** to ensure code stability, integrating these tests into the **Jenkins CI pipeline**.
* Participated in **Agile (Scrum)** ceremonies and contributed to sprint planning, backlog grooming, and daily stand-ups, ensuring the team met project deadlines.
* Integrated **MongoDB** for NoSQL data storage, ensuring that data access is fast and efficient, and designed query strategies to improve performance.
* Ensured that the application followed best practices for **microservices**, including monitoring, logging, and scalability.
* Wrote and maintained SQL queries for relational databases (PostgreSQL, Oracle), and used **JPA/Hibernate** for ORM mapping.
* Implemented **Docker** containers for the microservices, simplifying deployment and scaling across environments.
* Used **Kafka** to ensure efficient message-driven processing between distributed microservices, enhancing system performance and scalability.

**Technical Stack:** Java 8, 11, Spring Boot 2.4+, Spring Cloud, Spring Security 5.0, Angular 9, Apache Kafka 2.8+, Docker, Jenkins, MongoDB, PostgreSQL, JPA/Hibernate, JUnit 5, Mockito, OAuth2, JWT.

**Client: BYJU’s|India   
Role: Java Full Stack Developer**

**Date: June 2019 – Dec 2021**

**RESPONSIBILITIES:**

* Designed and implemented **microservices** using **Spring Boot**, enabling easy scalability and maintenance of distributed applications.
* Used **Java 8 features** such as **lambda expressions**, **streams**, and **optional** to streamline code and increase performance.
* Built **RESTful APIs** with **Spring Boot** and integrated **Spring Security** to ensure secure authentication and authorization mechanisms.
* Developed front-end components using **Angular 9** and **Typescript**, providing seamless user experiences on web and mobile platforms.
* Integrated the front-end with the backend using **REST API** and ensured optimal data flow between services.
* Developed and maintained backend functionality using **Node.js** to handle server-side logic and improve application scalability.
* Configured **Spring Cloud Config** for centralized configuration management across multiple services. Worked with **Jenkins** to automate the deployment process and implemented continuous integration strategies to streamline development.
* Worked with **MongoDB** to design and implement NoSQL database solutions for handling large volumes of unstructured data. Wrote unit and integration tests using **JUnit** and **Mockito**, ensuring that all modules were tested and reliable before deployment.
* Implemented **OAuth2** for API security, ensuring secure and authenticated access to microservices.
* Ensured the application was cloud-ready, utilizing **AWS EC2** for deployment and **S3** for file storage.
* Integrated **Apache Kafka** for real-time data streaming, ensuring that data was synchronized across services efficiently.
* Used **Docker** to containerize services, enabling consistent environments across development, staging, and production.

**Technical Stack:** Java 8, Spring Boot, Angular 9, MongoDB, Node.js, Docker, Jenkins, Kafka, AWS (EC2, S3), JUnit, Mockito, OAuth2, Spring Security.

**EDUCATION:**

**The University of Texas at Dallas.** Dallas

Master of Science, Information Technology and Management

**Osmania University** Hyderabad

Bachelor of Technology, Computer Science and Engineering