Kiran Dhathri Boddepalli

Java Full Stack Developer

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SUMMARY

- Around **7 years of experience** as a **Full Stack Java/J2EE Developer** with expertise in developing scalable, high-performance enterprise applications across multiple industries.
- Deep understanding of the **Spring Framework** (Core, MVC, Boot, Cloud, Security) and skilled in applying **J2EE design patterns** (MVC, DAO, DTO, Factory) to create maintainable and extensible code.
- Proficient in **Java 8 features** such as **Streams API** and **Lambda Expressions**, with a strong command over **Object-Oriented Programming** (OOP) principles and patterns.
- Extensive experience in designing and developing **Microservices** with **Spring Boot**, integrating with ORM frameworks like **Hibernate** and **Spring Data JPA**, and building **RESTful/SOAP APIs** for seamless communication across applications.
- Practical knowledge and hands-on experience with various **AWS services** including **EC2**, **S3**, **RDS**, **Lambda**, and **CloudWatch**. **AWS Solutions Architect – Associate** certified.
- Proficient in **infrastructure-as-code** using **Terraform**, containerization using **Docker**, and orchestration with **Kubernetes** for managing scalable, resilient applications.
- Skilled in working with both **relational** and **NoSQL databases** (including **MSSQL**, **MySQL**, **PostgreSQL**, **MongoDB**, **Cassandra**), and have experience working with **Snowflake** for large-scale data warehousing.
- Extensive experience in **Test-Driven Development** (TDD) practices, ensuring that code is robust, maintainable, and of high quality through automated testing.
- Hands-on experience with **CI/CD pipeline development** using **Jenkins**, **GitLab**, and **Maven**, as well as **unit testing frameworks** such as **JUnit** and **Mockito** to ensure code stability.
- Proficient in **front-end technologies** including **React.js**, **Angular**, **TypeScript**, **HTML5**, **CSS3**, **JavaScript**, and **Bootstrap** to build dynamic, responsive user interfaces.
- Experienced in developing high-performance backend services with **Go** and building **event-driven architectures** using **message brokers** like **Kafka** and **RabbitMQ**.
- Skilled in designing and consuming **RESTful and SOAP Web Services** using technologies such as **JAX-RS**, **JAX-B**, and **Spring REST** to enable seamless application communication.
- Adept at collaborating in **Agile/Scrum teams**, consistently delivering features on time and ensuring continuous improvement through iterative development and feedback.
- Proficient in deploying and managing **containerized applications** using **Kubernetes** and **OpenShift**, ensuring efficient application orchestration, scalability, and automation.

TECHNICAL SKILLS:

Languages	Java (JDK 8/17/21), TypeScript, Python, XML, JSON
Methodologies/Design Patterns	OOAD, OOP, UML, MVC, DAO, Factory Pattern, Agile, Scrum, Test-Driven Development (TDD)
Web Technologies	JSP, Servlets, AngularJS, React.js, jQuery, Node.js, HTML5, CSS3, Web Services (SOAP, REST)
Frameworks	Spring (Core, MVC, Web Flow, IOC, AOP), Hibernate, Microservices
Application/Web Servers	JBoss, WebLogic, WebSphere, Apache Tomcat
Databases & Reporting	Oracle (11g and later), MySQL, SQL, MongoDB, PostgreSQL, Redis
Cloud & DevOps [CI/CD]	AWS, Microsoft Azure, GCP, Ansible, Docker, Kubernetes, Terraform, Gitlab CI, OpenShift
Version Control/Build	Git, Maven, Gradle
Logging /Monitoring Tools	Log4j, Splunk, ELK Stack

Tools & Operating Systems	Eclipse, IntelliJ, Rational Application Developer (RAD), NetBeans, MS Office, Windows, Linux, Unix, MacOS
Message Brokers/Streaming	RabbitMQ, JMS, Apache Kafka

Client: AT&T, Dallas, TX   **Aug 2024 – Present**

Role: Java Developer

Technical Stack: Java (JDK 17), Spring Boot, Apache Kafka, Redis, Spring MVC, Docker, Kubernetes, ELK Stack, Jenkins, GitLab, Ansible, React.js

Responsibilities:

- Designed and developed scalable enterprise applications using **Java 17** and **Spring Boot**, leveraging **Open API/Swagger** specifications to ensure consistent, scalable communication across services.
- Architected and implemented high-performance **microservices** with **Spring Boot**, adhering to **SOLID principles** to ensure maintainability and extensibility.
- Designed and implemented **RESTful APIs** using Spring Boot and Hibernate, enabling seamless integration between backend services and frontend applications.
- Built and integrated asynchronous communication systems using **Apache Kafka**, enabling **event-driven architectures** to improve real-time data streaming and system responsiveness.
- Utilized **Redis** to optimize data caching strategies, reducing latency and improving application performance.
- Implemented containerized microservices using **Docker** and orchestrated the deployment on **Kubernetes** clusters hosted on **AWS**.
- Developed robust **CI/CD pipelines** with **Jenkins** and **GitLab CI**, automating build, testing, and deployment processes to accelerate release cycles.
- Integrated centralized logging and monitoring using the **ELK Stack** (**Elasticsearch**, **Logstash**, **Kibana**), ensuring system observability and proactive issue resolution.
- Used **Ansible** for automating configuration management and infrastructure provisioning, ensuring consistency across environments.
- Designed and implemented dynamic, responsive front-end applications using **React.js**, **HTML5**, **CSS3**, to enhance user experience.
- Ensured the scalability and maintainability of applications by applying **microservices patterns** and event-driven architecture.

Client: Dupont, Denver, Co   **Jan 2023 – Jul 2024**

Role: Software Engineer

Technical Stack: Java, SQL, Spring Boot, Hibernate, Terraform, Redis, MySQL, JUnit, REST API

Responsibilities:

- Architected and implemented high-performance microservices with **Spring Boot**, adhering to SOLID principles to ensure maintainability and extensibility.
- Built and integrated asynchronous communication systems using **Apache Kafka**, enabling event-driven architectures to improve real-time data streaming and system responsiveness.
- Utilized **Redis** to optimize data caching strategies, reducing latency and improving application performance.
- Implemented containerized microservices using **Docker** and orchestrated the deployment on Kubernetes clusters hosted on AWS.
- Developed robust **CI/CD** pipelines with Jenkins and **GitLab CI**, automating build, testing, and deployment processes to accelerate release cycles.
- Built navigation using **React Router**, enabling seamless transitions and dynamic rendering of components in a single-page web application.
- Implemented the web layer of the application with Spring MVC, including the development of controllers, views, and validators for effective user interaction and data processing. Used Hibernate framework to automate the mapping between **SQL database** and **Java Objects**, also developed Stored Procedures.
- Designed and deployed **distributed caching mechanisms** using **Elastic Cache** and **DynamoDB,** improving application responsiveness and scalability.
- Participated in the migration of **legacy systems** to microservices architecture, increasing system modularity, scalability, and maintainability.

Client: Tata Consultancy Services   **Oct 2021 – Dec 2022**
Role: Software Engineer
Technical Stack: Java, SQL, Spring Boot, Hibernate, Terraform, Kubernetes, MySQL, JUnit, REST API
Responsibilities:

- Played a key role in migrating legacy monolithic applications to **Microservices architecture** using **Spring Boot** and **REST APIs**, increasing scalability and maintainability.
- Improved system performance by implementing second-level caching with **Hibernate**, significantly reducing database load and improving response times.
- Utilized **MySQL** for database management and optimized queries, resulting in improved performance for large-scale applications.
- Analyzed user feedback and customer service data to identify software defects and implement enhancements that improved user satisfaction
- Automated infrastructure provisioning and management using **Terraform** and integrated with **Kubernetes** for deployment on **Azure Cloud**, streamlining cloud operations.
- Collaborated with cross-functional teams to implement **unit** and **integration tests**, ensuring code quality and robustness.
- Designed and deployed scalable applications on **AWS** using **CloudFormation**, automating infrastructure provisioning and management for high-availability environments. Monitored and resolved production issues using **CloudWatch**, ensuring high availability and fault tolerance.
- Implemented secure coding practices and performed regular security audits to ensure compliance with industry standards and protect sensitive data
- Ensured application security by implementing authentication and authorization mechanisms using Spring Security and industry-standard protocols.
- Implemented **event-driven architectures** and **message queues** using **SQS** and **Kafka** for real-time data processing.
- Collaborated with cross-functional teams-including product owners, QA, and DevOps-to deliver features in Agile/Scrum sprints, ensuring timely and high-quality releases.

Client: Amazon, Hyderabad.   **Jun 2019 – Aug 2021**
Role: Software Development Engineer
Technical Stack: Java, Microservices, Spring Boot, AWS, Rest API's, Postman, HTTP requests, Kafka, JUnit, SQL, RDS.
Responsibilities:

- Worked on developing and consuming **Web Services** such as **SOAP** and **RESTful** that serve as main source of information for many applications.
- Designed, developed, and delivered scalable, highly available distributed systems and **microservices architecture** using **Java, Spring Boot**, and **AWS** cloud technologies.
- Built responsive user interfaces with **Angular**, and **TypeScript** for frontend components and **UI/UX design**.
- Built and optimized **high-performance backend services** and **RESTful APIs**, enabling seamless integration with Amazon's e-commerce platforms.
- Developed RESTful services using **Spring Boot**, **JAX-RS** and Used **Postman** to test the RESTful services for HTTP requests such as **GET, POST, PUT** and **DELETE.**
- Developed robust **unit testing frameworks** with **JUnit** and **integration testing** in staging environments, ensuring reliability and performance.
- Worked on **Angular JS controllers** and created functions to interact with the RESTful Web Services using **AJAX**.
- Automated **CI/CD pipelines** using **AWS Code Pipeline** and **Jenkins**, reducing deployment cycles and improving release velocity.

Client: VI Technologies, Hyderabad.   **Jun 2018 – May 2019**
Role: Java Intern
Technical Stack: Java, Spring Boot, Rest API's, Git, MongoDB, SQL, PostgreSQL.
Responsibilities:

- Assisted in developing and maintaining Java-based web applications using frameworks such as Spring Boot and **Hibernate**, contributing to feature implementation and bug fixes.
- Collaborated with senior developers to design, develop, and test **RESTful APIs** and microservices, ensuring code quality through unit testing with **JUnit** and **Mockito**.
- Participated in code reviews and followed **Agile** methodologies to deliver incremental improvements in a fast-paced, team-oriented environment.
- Utilized version control tools like **Git** for source code management and collaborated on continuous integration pipelines to automate build and deployment processes.
- Supported database operations by writing SQL queries and integrating relational databases such as **MySQL** or **PostgreSQL** with Java applications.

EDUCATION:

- University Of Dayton   Dayton, OH
  Master Of Science, Computer Science