Shivateja Koppuravuri

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# SUMMARY:

* Over 8 years of extensive experience in designing, developing, and optimizing backend systems using Java 8/11/17, with deep expertise in leveraging Spring Framework (Spring Boot, Spring MVC, Spring Cloud, Spring Security) to build robust, high-performance enterprise applications.
* Proficient in architecting and implementing highly scalable RESTful APIs and GraphQL endpoints using Spring Boot, ensuring seamless data integration and efficient communication across distributed systems.
* Skilled in designing event-driven architectures with Apache Kafka and RabbitMQ, enabling real-time data streaming and processing for mission-critical applications in dynamic, high-throughput environments.
* Expert in developing modular microservices architectures adhering to Domain-Driven Design principles, utilizing Spring Boot and Spring Cloud to create scalable, maintainable, and loosely coupled systems.
* Extensive experience in cloud-based deployments on AWS, utilizing Terraform for infrastructure-as-code to provision and manage EC2, S3, RDS, and IAM resources, ensuring scalable and secure environments.
* Adept at orchestrating containerized applications using OpenShift, Docker, and Kubernetes, optimizing deployment workflows for high availability, scalability, and fault tolerance in production systems.
* Proficient in database design, query optimization, and performance tuning with relational databases like PostgreSQL and Oracle, as well as NoSQL databases like MongoDB and Cassandra, ensuring efficient data storage and retrieval.
* Experienced in integrating advanced monitoring and logging solutions using Splunk and Dynatrace, providing deep operational insights and enabling proactive system performance management.
* Strong expertise in Agile development practices, including Test-Driven Development (TDD) and paired programming, leveraging tools like JUnit and Mockito to ensure code quality and reliability.
* Proficient in implementing continuous integration and continuous deployment (CI/CD) pipelines using Jenkins, Maven, and Gradle, combined with Terraform for automated, consistent, and rapid deployment of backend services.
* Well-versed in version control systems like Git and GitLab, ensuring collaborative and streamlined code management across distributed teams.
* Skilled in implementing secure authentication and authorization mechanisms using OAuth2 and JWT, safeguarding sensitive data in enterprise applications.

# TECHNICAL SKILLS:

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| **Languages** | Java 8/11/17, SQL, PL/SQL |
| **Frameworks** | Spring Boot, Spring MVC, Spring Cloud, Spring Security, Hibernate, Struts |
| **APIs** | RESTful APIs, SOAP, GraphQL, Swagger UI |
| **Databases** | PostgreSQL, Oracle 10g/11g, MySQL, MongoDB, Cassandra |
| **Message Brokers** | Apache Kafka, RabbitMQ, ActiveMQ |
| **Containerization** | Docker, Kubernetes, OpenShift |

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| **Cloud Computing** | AWS (EC2, S3, RDS, IAM), Terraform, Pivotal Cloud Foundry, Azure |
| **Tools & Version Control** | Maven, Gradle, JIRA, Git, GitLab, Jenkins, Bamboo |
| **Monitoring & Logging** | Splunk, Dynatrace |
| **Testing** | JUnit, Mockito, Selenium |
| **Methodologies** | Agile, Test-Driven Development (TDD), Domain-Driven Design, Paired  Programming |

**PROFESSIONAL EXPERIENCE:**

## Client: Procter & Gamble (P&G) - Cincinnati, – Cincinnati, OH | Jan 2023 - Present Role: Full Stack Java Developer

**Responsibilities:**

* Designed and developed microservices using Java 17, Spring Boot, and Spring Cloud, creating modular systems to support scalable enterprise applications.
* Built scalable RESTful APIs with Spring Boot, enabling efficient data exchange between backend services and external systems for seamless integration.
* Implemented event-driven architectures using Apache Kafka, processing real-time data streams (e.g., transaction events to trigger automated inventory updates) to ensure responsive systems.
* Applied Domain-Driven Design principles in microservices development, structuring services to align with business domains for improved code maintainability.
* Deployed microservices to AWS using Terraform, provisioning EC2, S3, and RDS resources to support secure and scalable cloud infrastructure.
* Managed containerized deployments with OpenShift, Docker, and Kubernetes, ensuring high availability and fault tolerance for backend systems.
* Optimized PostgreSQL and Oracle databases through query tuning and indexing, streamlining data retrieval for efficient transaction processing.
* Integrated Splunk and Dynatrace for centralized logging and monitoring, enabling real-time system performance insights and faster issue resolution.
* Automated CI/CD pipelines using Jenkins and Maven, integrating Terraform for AWS deployments, to streamline delivery of backend services.
* Implemented secure authentication with Spring Security, OAuth2, and JWT, protecting sensitive data and ensuring compliance with enterprise security standards.
* Conducted unit and integration testing with JUnit and Mockito, ensuring high code quality and reliable deployments during SIT and UAT phases.
* Utilized Git and JIRA for version control and bug tracking, facilitating collaboration and maintaining code integrity across distributed teams, reducing debugging time by 30%.

**Environment:** Java 17, Spring Boot, Spring MVC, Spring Cloud, Spring Security, Hibernate ORM, RESTful/SOAP Web Services, Apache Kafka, ActiveMQ, AWS (EC2, S3, RDS, IAM), Terraform, Docker, Kubernetes, OpenShift, PostgreSQL, Oracle, DB2, Maven, Jenkins, JUnit, Mockito, Git, JIRA, Splunk, Dynatrace, XML, SOAP UI

## Client: GlobalTech Solutions | Sep 2018 – Oct 2022 Role: Java/J2EE Developer

**Responsibilities:**

* Developed a scalable payment processing system using Java 8 and Spring Boot, implementing microservices to handle high-volume financial transactions with modular architecture.
* Designed RESTful APIs with Spring Boot, enabling secure and efficient communication between payment services and third-party vendors, streamlining transaction workflows.
* Configured Apache Kafka for event-driven processing, managing real-time events (e.g., payment

confirmations to trigger account balance updates) to ensure accurate and timely system responses.

* Utilized Domain-Driven Design to model microservices around payment processing domains, enhancing system clarity and maintainability for complex business logic.
* Deployed microservices to AWS using Terraform, configuring EC2, S3, and IAM for secure and scalable infrastructure, supporting seamless payment operations.
* Orchestrated containerized deployments using Docker and OpenShift, ensuring reliable service availability during peak transaction periods.
* Optimized PostgreSQL database schemas and queries, enabling efficient storage and retrieval of transaction data for real-time reporting and auditing.
* Integrated Dynatrace for performance monitoring, providing insights into API latency and system health, reducing issue detection time by 25%.
* Established CI/CD pipelines with Jenkins and Gradle, automating deployments to AWS via Terraform, enabling consistent and rapid updates to payment services.
* Implemented authentication mechanisms using Spring Security and JWT, securing payment endpoints and ensuring compliance with financial data protection standards.
* Performed unit and integration testing with JUnit and Mockito, ensuring robust and error-free code for payment processing modules.
* Managed code repositories using GitLab, facilitating collaborative development and maintaining version control for distributed teams.

**Environment**: Java 8, Spring Boot, Spring MVC, Spring Security, Hibernate ORM, RESTful Web Services, Apache Kafka, AWS (EC2, S3, IAM), Terraform, Docker, OpenShift, PostgreSQL, MongoDB, Gradle, Jenkins, JUnit, Mockito, GitLab, Dynatrace, XML

## Client: Calsoft | Apr 2016 – Aug 2018 Role: Java Developer Responsibilities:

* Developed backend services for a VMware automation system using Java 8 and Spring MVC, enabling streamlined virtual machine provisioning and management.
* Designed RESTful APIs with Spring Boot, facilitating efficient communication between VMware automation services and client applications for seamless resource allocation.
* Implemented microservices architecture with Spring Boot, creating modular services to support scalable VM management processes.
* Deployed services to AWS using Terraform, provisioning EC2 and IAM resources to ensure secure and scalable virtualization infrastructure.
* Managed containerized deployments with Docker, ensuring consistent and reliable VMware service deployments in development environments.
* Designed and optimized PostgreSQL database schemas, enabling efficient storage and retrieval of VM configuration data for automation tasks.
* Wrote SQL queries and stored procedures in PostgreSQL, supporting reliable data management for VM provisioning and tracking.
* Automated build and deployment processes using Jenkins and Maven, streamlining service updates and reducing deployment time by 20%.
* Implemented secure endpoints using Spring Security, protecting VMware automation services and ensuring compliance with security standards.
* Conducted unit testing with JUnit, ensuring reliable code quality for backend automation modules during development.
* Utilized Git for version control, maintaining collaborative code management and ensuring consistency across team contributions.
* Actively participated in **Agile development processes**, attending **stand-up meetings**, **retrospectives**, **demos**, **planning sessions**, and **code reviews**.

**Environment**: Java 8, Spring Boot, Spring MVC, Spring Security, Hibernate ORM, RESTful Web Services, AWS (EC2, IAM), Terraform, Docker, PostgreSQL, Maven, Jenkins, JUnit, Git, XML