**SHIVATEJA K**

**Java Full Stack Developer**

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**Professional Summary:**

**Java Backend Developer** with **7** years of experience in designing and developing scalable, high-performance web applications, specializing in Java, Spring Boot, and microservices architectures. Proficient in building robust backend systems using RESTful APIs, Spring frameworks, and cloud platforms like AWS and GCP. Experienced in Agile methodologies, delivering production-ready solutions through iterative development and CI/CD pipelines. Skilled in database optimization with PostgreSQL and MySQL, containerization with Docker, and Kubernetes for orchestration. Adept at integrating logging, monitoring, and testing frameworks to ensure reliable, maintainable, and secure applications. Familiar with React.js for lightweight front-end development to support seamless user experiences.

* **Software Development Methodologies:** Expert in Agile and DevOps practices, ensuring iterative delivery, continuous integration, and high-quality software solutions.
* **Java Programming:** Proficient in Java (versions 11, 17), utilizing OOP, functional programming, and Java Streams for efficient backend development.
* **Spring Framework:** Extensive experience with Spring Boot, Spring MVC, Spring Data JPA, and Spring Cloud for building modular, scalable microservices.
* **Microservices Architecture:** Skilled in designing and implementing distributed systems with event-driven architectures using Kafka and RabbitMQ.
* **Cloud Platforms:** Proficient in AWS (EC2, S3, Lambda, ECS, EKS) and GCP (GKE, Cloud Functions, BigQuery) for scalable, cloud-native deployments.
* **API Development:** Expert in designing RESTful APIs (JSON) with Swagger/OpenAPI for documentation and seamless integration with external systems.
* **Database Management:** Experienced with PostgreSQL, MySQL, and MongoDB, optimizing data persistence with Spring Data JPA and Hibernate.
* **Containerization & Orchestration:** Proficient in Docker for containerized deployments and Kubernetes for orchestrating microservices at scale.
* **CI/CD & Version Control:** Expertise in Git, Jenkins, GitLab, and GitHub Actions for automated build, test, and deployment pipelines.
* **Testing & Quality Assurance:** Skilled in JUnit, Mockito, and TestNG for unit and integration testing, ensuring robust and maintainable codebases.
* **Logging & Monitoring:** Proficient in Log4j, SLF4J, and ELK Stack for application monitoring and performance troubleshooting.
* **Front-End Development:** Familiar with React.js, JavaScript, TypeScript, HTML5, and CSS3 for building lightweight, responsive front-end interfaces.

**Technical skills:**

| **Category** | **Technologies** |
| --- | --- |
| Programming Languages | Java (11, 17), JavaScript, TypeScript |
| Frameworks & Libraries | Spring Boot, Spring MVC, Spring Data JPA, Spring Cloud, Hibernate, React.js |
| Front-End Technologies | HTML5, CSS3, JavaScript, TypeScript, React.js, Bootstrap |
| API Development | RESTful APIs (JSON), Swagger/OpenAPI |
| Databases | PostgreSQL, MySQL, MongoDB |
| ORM Tools | Spring Data JPA, Hibernate |
| Containerization | Docker, Kubernetes |
| Cloud Platforms | AWS (EC2, S3, Lambda, ECS, EKS), GCP (GKE, Cloud Functions, BigQuery) |
| CI/CD & Version Control | Git, Jenkins, GitLab, GitHub Actions |
| Testing Frameworks | JUnit, Mockito, TestNG |
| Logging & Monitoring | Log4j, SLF4J, ELK Stack |
| Build Tools | Maven, Gradle |
| Development Methodologies | Agile, DevOps, SDLC |

**Professional Experience:**

**Procter & Gamble, Cincinnati, OH Jan 2024 - Till Date**

**Senior Full Stack Developer**

**R&D Specification Management:** The **R&D Specification Management** platform is a cloud-native, microservices-based system designed to streamline the management of research and development specifications for consumer products. The platform enables efficient document processing, metadata extraction, and compliance with global regulatory standards. Built using **Java**, **Spring Boot**, and **AWS**, it supports real-time data processing, secure integrations, and scalable deployments to meet the demands of cross-functional R&D teams.

**Project Description:**

* Collaborated in **Agile** sprints using **Jira** to gather and refine requirements, ensuring backend solutions aligned with R&D business objectives for document management and compliance.
* Architected and developed **microservices** using **Java 17** and **Spring Boot**, implementing business logic to process and validate large-scale R&D datasets with high throughput.
* Designed secure **RESTful APIs** with **Spring MVC** and documented them using **Swagger**, enabling seamless integration with third-party regulatory systems for compliance reporting.
* Implemented **event-driven** architectures with **Apache Kafka**, facilitating real-time updates for specification changes and automated workflows across R&D processes.
* Optimized **database performance** using **Spring Data JPA** and **Hibernate** with **PostgreSQL**, writing efficient queries to handle complex metadata extraction and storage for R&D documents.
* Deployed **microservices** on **AWS EKS** using **Docker** containers, leveraging **AWS S3** for scalable storage of specification documents and **AWS Lambda** for serverless processing of metadata tasks.
* Automated **CI/CD pipelines** with **Jenkins** and **GitLab**, integrating **Maven** for builds and ensuring consistent deployments across development, staging, and production environments.
* Conducted comprehensive **unit testing** and **integration testing** with **JUnit** and **Mockito**, achieving over 90% code coverage and maintaining quality through **SonarQube** analysis.
* Integrated **Log4j** and **SLF4J** for advanced **logging** and used **AWS CloudWatch** for real-time monitoring, enabling rapid diagnosis and resolution of performance bottlenecks in the platform.
* Developed lightweight **React.js** components with **TypeScript** and **Bootstrap** to support user-friendly dashboards for R&D teams, enhancing visibility into specification statuses.
* Managed **version control** with **Git** and **GitLab**, implementing branching strategies to facilitate efficient code reviews and collaboration among distributed development teams.
* Utilized **AWS SNS/SQS** for asynchronous messaging, improving system reliability by handling high-volume notification workflows for specification approvals.
* Documented technical specifications and API contracts in **Confluence**, ensuring clear communication and knowledge sharing with R&D stakeholders and cross-functional teams.
* Performed **performance tuning** with **JMeter** to validate the platform’s scalability, ensuring reliable operation under high workloads during peak R&D cycles.

**GlobalTech Solutions Jun 2020 - Dec 2022**

**Senior Development Engineer**

The **DataSyncHub** is a lightweight, cloud-native platform designed to synchronize business data, such as customer records and transactional data, across multiple client applications in real time. Built using Java, Spring Boot, and deployed on GCP, the platform leverages microservices to ensure scalability and flexibility for small-to-medium enterprises. It integrates with third-party CRMs and ERP systems, utilizing PostgreSQL for structured data storage and MongoDB for unstructured data, with GCP Pub/Sub for event-driven synchronization. The system provides a simple, secure, and efficient solution for data consistency across client ecosystems.

**Mission & Contributions:**

* Participated in **Agile** sprints using **Jira**, collaborating with client teams to gather requirements and deliver features for seamless data synchronization.
* Developed **microservices** with **Java 11** and **Spring Boot**, implementing logic for real-time data sync and validation across client applications.
* Designed **RESTful APIs** using **Spring MVC** and documented them with **Swagger**, enabling integration with external systems like Salesforce and SAP.
* Utilized **GCP Pub/Sub** for **event-driven** communication, ensuring reliable data updates between distributed services with minimal latency.
* Managed **database operations** with **Spring Data JPA** and **Hibernate** for **PostgreSQL** to store transactional data and **MongoDB** for flexible customer metadata, optimizing queries for efficient data retrieval.
* Deployed **microservices** on **GCP Cloud Run** using **Docker**, leveraging **GCP Cloud Storage** for secure storage of data snapshots and logs.
* Configured **CI/CD pipelines** with **GitHub Actions** and **Maven**, automating builds and deployments to streamline development workflows.
* Implemented **unit testing** with **JUnit** and **Mockito**, achieving 80%+ code coverage and ensuring data sync reliability using **SonarQube** for code quality.
* Integrated **SLF4J** and **Log4j** with **GCP Cloud** **logging**, enabling quick debugging and monitoring of synchronization issues.
* Contributed to minimal **React.js** components with **JavaScript** and **CSS3** for a basic admin dashboard to monitor sync status and data consistency.
* Used **Git** for **version control**, maintaining clean branching strategies to support collaborative development and code reviews.
* Conducted **load testing** with **JMeter** to validate the platform’s performance under moderate data sync workloads, ensuring stability for client use cases.
* Documented API endpoints and sync workflows in **Confluence**, creating user-friendly guides for developers and client support teams.

**Calsoft Inc Jun 2018 – Jun 2020**

**Development Engineer**

The **VM Automation Suite** is a lightweight, microservices-based platform designed to automate virtual machine (VM) provisioning and configuration for VMware’s virtualization ecosystem. Built using **Java** and **Spring Boot**, the platform streamlines VM lifecycle management, including automated setup, resource allocation, and status monitoring for enterprise clients. It integrates with VMware’s vSphere APIs, utilizing **PostgreSQL** for structured VM metadata and **MongoDB** for flexible configuration storage, ensuring efficient automation workflows on on-premises infrastructure.  
**Mission & Contributions:**

* Engaged in **Agile** sprints using **Jira**, collaborating with client teams to define and implement automation features for VM provisioning.
* Developed **microservices** with **Java 11** and **Spring Boot**, implementing core logic to automate VM creation and resource allocation tasks.
* Created **RESTful APIs** using **Spring MVC**, documented with **Swagger**, to integrate with VMware vSphere for seamless VM configuration and status updates.
* Wrote **Java**-based automation scripts to streamline repetitive VM setup processes, reducing manual configuration time for client environments.
* Managed **database operations** using **Spring Data JPA** and **Hibernate** with **PostgreSQL** for structured VM metadata and **MongoDB** for dynamic configuration data, optimizing queries for faster retrieval.
* Deployed **microservices** using **Docker** containers on on-premises servers, ensuring consistent environments for development and testing.
* Configured **CI/CD pipelines** with **Jenkins** and **Maven**, automating builds and deployments to accelerate feature delivery.
* Conducted **unit testing** with **JUnit** and **Mockito**, achieving 75%+ code coverage to ensure reliable automation logic, validated by **SonarQube** checks.
* Integrated **SLF4J** and **Log4j** for **logging**, enabling efficient debugging and monitoring of VM provisioning issues.
* Utilized **Git** for **version control**, implementing branching strategies to support collaborative development and streamline code reviews.
* Supported **performance testing** with **JMeter** to validate the platform’s ability to handle moderate VM provisioning workloads.
* Documented automation scripts and API endpoints in **Confluence**, creating clear guides for developers and support teams to facilitate maintenance.