**SHIVATEJA K**

**Senior Java Full Stack Developer**

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**Professional Summary:**

Senior **Java Full Stack Developer** with **8 years** of experience in designing and developing scalable, high-performance software solutions using **Java/J2EE**, **Spring Boot**, **React**, **Node.js**, and **Microservices** architecture. Proficient in building cloud-native applications with expertise in **Oracle Database** design, optimization, and administration, ensuring efficient data management and query performance. Skilled in leveraging **JavaScript**, **TypeScript**, and **React** to create responsive, modular, and user-centric front-end interfaces. Experienced in utilizing **API Gateway platforms** for secure and scalable API integrations, alongside hands-on expertise in **AWS cloud services** (EC2, S3, Lambda, EKS) for hosting, storage, and deployment. Proficient in **AI frameworks** and **data analytics tools** to support intelligent, data-driven applications. Adept at maintaining code quality with tools like **SonarQube** and **JaCoCo**, using **Git** for version control, and implementing **Agile methodologies** for iterative development. Committed to delivering innovative, robust solutions aligned with business and regulatory requirements.

* **Java/J2EE & Full Stack Expertise:** Advanced proficiency in **Java (8-17)**, **JavaScript**, **Node.js**, and **React**, leveraging OOP, multithreading, and functional programming to build scalable backend and front-end systems.
* **Spring Boot & Microservices:** Extensive experience in designing loosely coupled microservices with **Spring Boot**, **Spring MVC**, and **API Gateway platforms**, ensuring modular, secure, and scalable architectures.
* **Front-End Development:** Expertise in building dynamic, responsive UI components using **React**, **JavaScript**, **TypeScript**, **HTML5**, **CSS3**, and **Bootstrap**, integrated with backend APIs for seamless user experiences.
* **Oracle Database Proficiency:** Skilled in **Oracle Database** design, optimization, and administration, implementing indexing, partitioning, and PL/SQL for high-performance data operations.
* **Cloud & AI Expertise:** Proficient in **AWS** (EC2, S3, Lambda, EKS, CloudWatch) for cloud-native deployments and experienced in **AI frameworks** and **data analytics tools** for intelligent application development.
* **Code Quality & Version Control:** Expertise in maintaining high code standards using **SonarQube**, **JaCoCo**, and **Checkstyle**, with **Git** for collaborative code reviews and reliable delivery.
* **API Development:** Experienced in developing secure **RESTful APIs** with **JSON**, **XML**, **Swagger**, **OAuth2**, and **JWT**, integrated with **API Gateway** for efficient data exchange.
* **Agile Methodologies:** Strong expertise in **Agile** development using **Jira** and **GitLab**, ensuring iterative development, adaptive planning, and continuous improvement.

# Technical Skills:

| **Category** | **Technologies** |
| --- | --- |
| **Programming Languages** | Java (8-17), JavaScript, TypeScript, Node.js, HTML5, CSS3 |
| **Frameworks & Libraries** | Spring Boot, Spring MVC, Spring Data JPA, Spring Security, React, Node.js, Bootstrap, AJAX |
| **Microservices & APIs** | Spring WebFlux, RESTful APIs (JSON/XML), GraphQL, Swagger, OAuth2, JWT, API Gateway |
| **Cloud Technologies** | AWS (EC2, S3, Lambda, EKS, CloudWatch, RDS), Serverless Architectures |
| **Databases** | Oracle, MongoDB, PostgreSQL, MySQL, Cassandra, Hibernate, Spring JDBC |
| **DevOps & CI/CD** | Docker, Kubernetes, Jenkins, GitLab CI/CD, Maven, Gradle |
| **Version Control** | Git, GitLab, Bitbucket, GitHub |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Selenium, Apache JMeter |
| **Code Quality Tools** | SonarQube, JaCoCo, Checkstyle |
| **Messaging Systems** | Apache Kafka, RabbitMQ |
| **Application Servers** | Tomcat, JBoss, WebLogic |
| **Monitoring & Logging** | Log4j, SLF4J, Logback, Spring Boot Actuator, AWS CloudWatch |
| **AI & Analytics Tools** | TensorFlow, PyTorch, Pandas, NumPy |
| **Development Methodologies** | Agile, SDLC |

**Professional Experience:**

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

**Senior Java Full Stack Developer**

**R&D Specification Management:** Developed a scalable, cloud-native platform to streamline research and development specification management for consumer goods, leveraging **Java 17**, **Spring Boot**, **React**, **Node.js**, **Oracle Database**, and **AWS**. Ensured compliance with regulatory standards and enabled real-time data processing for cross-functional R&D teams, enhancing operational efficiency and data-driven decision-making.

**Mission & Contributions:**

* Architected **microservices** using **Java 17** and **Spring Boot**, integrated with **API Gateway**, to create a modular, scalable platform for managing large-scale R&D specification datasets, improving system flexibility and update efficiency.
* Developed secure **RESTful APIs** with **Spring MVC** and **JSON**, utilizing **Swagger** for comprehensive documentation, optimizing endpoint design to reduce API response times by 25% and enhance third-party system integrations.
* Built dynamic, responsive **React** front-end components with **JavaScript**, **TypeScript**, and **CSS3**, leveraging **Node.js** for backend integration, delivering intuitive dashboards for R&D teams to manage specification workflows seamlessly.
* Deployed containerized applications on **AWS EKS** using **Docker** and **Kubernetes**, ensuring 99.9% uptime and efficient resource allocation for high-demand R&D workloads, supporting scalable cloud-native operations.
* Optimized **Oracle Database** with advanced indexing, partitioning, and **PL/SQL** procedures, implementing caching with **Redis** to improve query performance by 30% for real-time access to product specification data.
* Automated **CI/CD pipelines** with **Jenkins** and **GitLab**, integrating **SonarQube** and **JaCoCo** for continuous code quality checks, achieving 95% code coverage and reducing deployment cycles by 40%.
* Implemented **Apache Kafka** for event-driven architecture, enabling real-time streaming and synchronization of R&D specification updates across distributed **microservices**, enhancing data consistency.
* Conducted comprehensive testing with **JUnit**, **Mockito**, and **Jasmine** for **React** components, automating **Selenium** end-to-end tests to validate functionality, reducing production bugs by 20%.
* Integrated **Spring Boot Actuator** and **AWS CloudWatch** for real-time application monitoring, proactively identifying and resolving performance bottlenecks, resulting in a 15% improvement in system reliability.
* Collaborated in an **Agile** environment using **Jira**, translating complex R&D requirements into technical specifications, ensuring timely delivery of features aligned with business and regulatory needs.

**GlobalTech Solutions APR 2019 - NOV 2022**

**Senior Full Stack Developer**

**Project Description:**

**Healthcare Data Analytics Platform:** Architected a high-performance, cloud-based platform for real-time analysis and visualization of healthcare data, utilizing Java 11, React, Node.js, Oracle Database, and AWS. The platform empowered healthcare providers with predictive insights for patient care, streamlined clinical workflows, and ensured adherence to HIPAA compliance, enhancing decision-making and operational efficiency.

**Mission & Contributions:**

* Designed a **microservices** architecture with **Java 11** and **Spring Boot**, integrated with **API Gateway**, to handle high-volume patient data, improving scalability and reducing processing latency by 30%.
* Developed responsive **React** front-end interfaces using **JavaScript** and **TypeScript**, powered by **Node.js** for server-side logic, delivering real-time clinical dashboards that accelerated decision-making by 22%.
* Built **RESTful APIs** using **Spring MVC** and **GraphQL**, with **Swagger** for streamlined documentation, facilitating secure integration with external healthcare systems and reducing integration time by 28%.
* Leveraged **AWS Lambda** and **S3** for serverless data processing and storage, utilizing **AWS EventBridge** for event-driven workflows, cutting operational costs by 35% for data-intensive tasks.
* Optimized **Oracle Database** with **PL/SQL** scripts and indexing strategies, incorporating **Redis** caching to enhance query performance by 27% for real-time patient data access.
* Configured **CI/CD pipelines** with **GitHub Actions** and **Docker**, embedding **Checkstyle** for code quality assurance, achieving a 45% reduction in deployment issues and faster release cycles.
* Secured the platform with **Spring Security**, implementing **OAuth2** and **JWT** for robust, HIPAA-compliant access control, ensuring the protection of sensitive patient data.
* Conducted rigorous testing with **JUnit**, **Mockito**, and **Karma** for **React** components, using **Apache JMeter** for load testing, resulting in a 92% decrease in critical defects.
* Utilized **AWS CloudWatch** and **SLF4J** for proactive monitoring, enabling rapid detection and resolution of performance issues, improving system availability by 20%.
* Integrated **RabbitMQ** for asynchronous messaging between **microservices**, enabling efficient handling of patient data updates and notifications with a 25% reduction in processing delays.
* Designed a modular **Node.js** backend to support dynamic report generation, streamlining data aggregation for healthcare analytics and improving report delivery time by 18%.
* Implemented **Spring Data JPA** with **Hibernate** to optimize complex **Oracle Database** queries, leveraging named queries to enhance data retrieval efficiency by 22% for clinical workflows.
* Documented system architecture and API specifications using **Confluence**, creating comprehensive guides that reduced onboarding time for new developers by 30%.
* Configured **AWS RDS** with read replicas to support high-availability data access, improving system resilience and reducing query response times by 15% during peak usage.
* Collaborated with healthcare stakeholders in an **Agile** environment using **Jira**, translating clinical requirements into technical solutions, ensuring feature delivery aligned with business needs.

**Client: VMWare JUN 2016 - APR 2019**

**Java Developer**

**Project Description:**

**Virtualized Inventory Management System:** Developed a cloud-based application for VMware’s inventory management, leveraging Java 8, React, Node.js, and Oracle Database with AWS to enhance resource tracking and optimization for virtualized environments. The platform streamlined inventory operations, ensuring seamless integration with VMware’s virtualization technologies and compliance with enterprise standards.

**Mission & Contributions:**

* Implemented **microservices** using **Java 8** and **Spring Boot**, integrated with **API Gateway**, to manage inventory data for virtual machines, improving data processing efficiency by 20% in VMware’s vSphere environment.
* Built user-friendly **React** interfaces with **JavaScript** and **CSS3**, utilizing **Node.js** for backend logic, to create real-time inventory dashboards, enhancing user interaction by 15%.
* Developed **RESTful APIs** with **Spring MVC** and **JSON**, using **Swagger** for clear documentation, enabling efficient integration with VMware’s vCenter, reducing API call errors by 18%.
* Utilized **AWS EC2** and **S3** for deploying and storing application data, configuring **AWS CloudWatch** for monitoring, achieving 99.7% system availability for inventory operations.
* Optimized **Oracle Database** performance with **PL/SQL** queries and indexing, improving data retrieval speed by 22% for inventory tracking and reporting.
* Set up **CI/CD pipelines** using **Jenkins** and **Docker**, incorporating **Checkstyle** to maintain code quality, reducing build failures by 25% and speeding up deployments.
* Secured APIs with **Spring Security** and **OAuth2**, ensuring secure access to sensitive inventory data, aligning with enterprise security standards.
* Conducted testing with **JUnit** and **Jasmine** for **React** components, using **Selenium** for end-to-end validation, achieving an 85% reduction in functional defects.
* Documented workflows and APIs in **Confluence**, creating clear guides that reduced developer onboarding time by 20% for the VMware project team.
* Collaborated in an **Agile** environment using **Jira**, working closely with VMware stakeholders to deliver features aligned with inventory management requirements.