SUMAN S

Java spring boot developer

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https://github.com/Suman-seelan

About

Experienced Java Spring Boot Developer with 1+ years in building and maintaining scalable web applications. Proficient in Javascript, Spring Boot, RESTful APIs, SQL, and cloud technologies (AWS, Azure). Expertise in microservices architecture and database integration. Strong collaborator in fast-paced environments, delivering efficient software solutions.

Skills

- Programming Languages: java, Javascript, SQL & Python
- Frameworks & Libraries: React.js, Spring Boot, Spring Data, Hibernate, JPA
- Databases: MySQL, MS SQL Server, MongoDB
- Data Warehousing: Amazon Redshift, Google BigQuery
- Cloud Platforms: AWS, Azure, Google Cloud Platform
- Version Control & CI/CD: Git, Jenkins, Docker, Kubernetes
- Tools & Technologies: Apache Kafka, RabbitMQ, Maven, Gradle
- Data Modeling: Entity-Relationship Modeling, Object-Relational Mapping (ORM)
- Data Visualization: Power BI, Tableau
- Big Data & Messaging: Kafka, RabbitMQ

Work Experience

Java spring boot developer

Digisailor, Tuticorin (2023 November - Present)

- Developed and maintained scalable backend systems using Java and Spring Boot, integrating data from SQL databases, APIs, and external services.
- Implemented RESTful APIs and microservices for seamless data processing and communication, improving system efficiency by 40%.
- Optimized application performance by refactoring code and improving database query speeds, resulting in a 30% increase in application response time.
- Collaborated with cross-functional teams to design and implement backend solutions, ensuring data consistency and system reliability for various projects..

Junior Java spring boot developer

Digisailor, Tuticorin (2023 Jun - 2023 November)

- Built and optimized backend services to automate data flow and processing from multiple sources into centralized systems using Java and Spring Boot.
- Developed Java-based solutions for data transformation, ensuring smooth integration and availability for analytics teams.
- Assisted in migrating on-premise systems to AWS, improving data access times by 50%.
- Supported the maintenance of microservices and Spring Boot applications, ensuring continuous service availability and efficient job scheduling.

Key Projects

Real-Time Data Processing Pipeline

- Designed and implemented a real-time data processing pipeline using Java, Spring Boot, and Apache Kafka for handling streaming data from IoT sensors.
- Integrated the pipeline with AWS S3 for storage and AWS Redshift for analysis, enabling real-time data processing, reporting, and seamless backend service integration.

Data Warehouse Optimization

- Optimized Java-based backend services and database models for faster data retrieval and reporting.
- Improved application performance by implementing efficient queries, indexing, and caching strategies, reducing data access times by 40%.

ETL Data Pipeline Automation

- Developed a robust data pipeline using Java and Spring Boot to automate the extraction, transformation, and loading of data from multiple sources, including REST APIs and relational databases, into a cloud-based storage solution (AWS).
- Reduced manual data processing time by 60% and ensured the pipeline ran on a consistent schedule, providing real-time data updates for analytics teams.
- Implemented data validation steps within the pipeline to ensure data quality, reducing errors by 30%.

Customer Segmentation Analysis

- Built an end-to-end data pipeline using Java and Spring Boot to aggregate, clean, and transform customer data from SQL databases for customer segmentation analysis.
- Utilized Java and SQL to preprocess and aggregate large datasets, then applied clustering algorithms to segment customers based on purchasing behavior.
- Developed a RESTful API to deliver segmented data for analytics and reporting, enabling targeted campaigns and a 15% increase in customer engagement.