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Summary

Software Engineer with 7+ years of experience developing scalable, high-performance applications using Java, Spring Boot, and React. My track record includes handling complex data processing tasks, solving challenging technical problems, and delivering high-quality solutions on time. With expertise in backend development, microservices architecture, cloud technologies, and frontend development, I thrive in dynamic environments that require innovation, precision, and reliable execution.

Skills

Languages: Java, Python, JavaScript, HTML5, CSS3

Framework/Library: Spring Boot, ReactJS, Spring Cloud, Kafka, Axios, React Query, Flask, Junit, WireMock, flyway

Web Technology: REST, Microservice, Bootstrap, OAuth, JWT, Netflix Eureka, RestClient, WebClient

Database (SQL/NoSQL/Caching): MySQL, MSSQL, PostgreSQL, Oracle, MongoDB, Redis

Cloud Computing: AWS (EC2, S3, Lambda, DynamoDB, RDS, SQS, SNS, CloudWatch), Cloud Solutions

Tools: Git, Postman, GitHub, Maven, Jenkins, Docker, Kubernetes, Prometheus, Grafana, DevOps, Jira

Work Experience

WAVESOFT SOLUTIONS INC

Boston, US

Software Engineer (Java Developer)

Mar 2024 - Present

- Created APIs to manage client insurance information in AWS S3 and wrote MySQL scripts to add and assign global UUIDs to existing files, enhancing data organization, retrieval, and integrity.
- Improved system throughput by 25% during high-traffic periods by switching from RestTemplate to RestClient, leveraging its reactive programming capabilities and configured with resilience4j for circuit breaker.
- Debugged and enhanced performance of a Java application by identifying and resolving critical syntax and logic errors, improving overall system reliability.
- Integrated WireMock for vendor API testing, reducing bugs by 15% and boosting test reliability. Validated microservice communication and performance, resulting in more dependable system operations.

ERNST & YOUNG LLP (Client: Microsoft)

Bengaluru, India

Senior Consultant (Full Stack Developer)

May 2021 - Dec 2021

- Developed a full-stack web application to display logistics details in a tabular format, utilizing ReactJS for the frontend and Axios to call backend RESTful APIs built with Spring Boot, retrieving and managing data from MongoDB.
- Created a custom Java-based data structure to optimize shipping workflows in the logistics system, enhancing efficiency and reducing processing time.
- Configured Kafka with Avro Serialization and Confluent Schema Registry, to enhanced schema management for real-time data, resolving schema evolution and compatibility issues and achieved a 40% reduction in errors and manual handling.
- Conducted root cause analysis of defects in the production environment and devised strategic plans with the team to fix them, improving user and client experience by 10%.

JK TECHNOSOFT LTD (Client : Tata Consultancy Service)

Noida, India

Senior Developer (Backend Developer)

Sep 2020 - May 2021

- Developed mock web services with Java Spring Boot and REST architecture to reduce dependency on vendor APIs for testing, resulting in 5% fewer bugs.
- Designed and implemented a custom algorithm to enhance data processing, leveraging advanced data structures for greater efficiency, and effectively communicated the approach through detailed documentation and visual aids.
- Implemented real-time statistical analysis and complex business logic using Java Bean components, improving financial data processing performance and significantly enhancing time series analysis systems.
- Enhanced data processing in Azure SQLDB by optimizing stored procedures and integrating Spring Batch, enabling the rapid processing of millions of records based on user-defined criteria, resulting in a 50% reduction in response times.

VICTORY PACKAGING INDUSTRY

India

Operation Analyst Developer

Jul 2014 - Dec 2019

- Developed API for Java/J2EE to boost system performance through improved data handling and query efficiency for material management system.
- Implemented innovative SQL query optimizations, including strategic indexing, offset usage, and selective field retrieval, and designed automated processes for data extraction, processing, and batch insertion.
- Achieved a 15% reduction in server load and enhanced application stability, leading to a 30% increase in customer satisfaction and saving 50 hours weekly in manual data handling.

Projects

E-commerce Java Backend Project: [GITHUB](#)

Aug 2024

- Designed and developed an E-commerce platform using Java Spring Boot microservice architecture to handle user transactions and order confirmations efficiently.
- Configured OAuth2 with Keycloak and Spring Security for authentication, integrated RestClient and Kafka for seamless inter-service communication, utilized Resilience4j for fault tolerance, and employed Flyway for database migration.
- Successfully containerized the application with Docker and deployed it through Kubernetes (KIND), ensuring scalable and reliable operation.

Fileserver Challenge: [GITHUB](#)

Apr 2023

- Built a high-performance file server middleware to optimize fault tolerance and low latency for handling and caching REST API requests before persisting data to disk.
- Implemented the middleware using Flask and Redis, achieving efficient traffic management and fault tolerance with caching mechanisms.
- Successfully handled over 500 API calls per second, deployed the application in Docker with 5 replicas under resource constraints (2 CPUs, 4GB RAM), and processed over 135,000 requests before container termination, ensuring effective resource distribution and load balancing.

Olympics Dashboard

Oct 2022

- Created a single-page web application using React and the Spring framework, allowing users to view current athletes and their performance, compare results with past athletes, and analyze match results from previous tournaments.

Education

Clark University - USA

Master of Science, Computer Science

Jan 2022 - Dec 2023

Certifications

[Confluent Fundamentals Accreditation](#): Proficient in Apache Kafka: Real-Time Streaming.

[Oracle Java Explorer](#): Scored 100% in Oracle Java Explorer assessment.

[Forage Walmart Global Tech](#): Advanced Software Engineering Job Simulation.