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Summary

Full Stack Java Developer with 7+ years of experience in back-end software development life cycle, with a strong focus on design patterns, complex problem-solving abilities, performance tuning, scalability, reliability, and cross-functional collaboration. Expertise in Java, Spring, React, SQL/NoSQL, RESTful API services, microservices architecture, event-driven architecture in Kafka, orchestration in Docker and deliver optimized solutions on time using Agile methodologies.

Work Experience

WAVESOFT SOLUTIONS INC   Boston, US
Java Developer - Software Engineer   Mar 2024 - Present
- Developed a REST API to handle 100,000+ insurance files using UUIDs, stored metadata in MongoDB, and ensured data integrity with cascading deletions in S3 and MongoDB.
- Refactored the service integration to replace OpenFeign with a custom RestClient, leveraging Resilience4j for circuit breakers, retries, and fallback methods, improving fault tolerance and reducing downtime by 40%.
- Enhanced insurance file metadata retrieval efficiency by integrating new entities, achieving constant-time lookups, and reducing memory usage by 40%.
- Created mock web services using REST architecture and Java Spring Boot to reduce dependency on vendor APIs for testing that lead to 5% reduction in bugs.

ERNST & YOUNG LLP(Microsoft)   Bengaluru, India
Full Stack Java Developer - Senior Consultant   May 2021 - Dec 2021
- Performed root cause analysis of defects in production environment and devised strategic plans with team to fix them which improved user and client experience by 10%.
- Developed a custom analytics dashboard using React and Redux, incorporating GraphQL for data querying, which expedited data retrieval speeds by 50%, aiding in quicker business decision-making.
- Worked on data processing pipeline using Kafka and Spring Batch to handle high-throughput data ingestion, real-time processing, and seamless data flow, resulting in a 25% improvement.
- Orchestrated Apache Kafka with Avro and Schema Registry in a Docker Compose environment, simplified real-time data processing and ensuring consistent data serialization across distributed systems.
- Conducted thorough unit and integration testing using WireMock for API validation, achieving 90% test coverage and minimizing bugs and debugged performance logs to enhance system efficiency.

JK TECHNOSOFT LTD (Client: Tata Consultancy Service)   Noida, India
Java Developer - Software Developer   Sep 2020 - May 2021
- Collaborated on cross-functional teams to integrate RESTful APIs into the React application, enhancing data synchronization and leading to a 20% increase in performance efficiency.
- Implemented data processing algorithms and batch jobs using Spring Batch, optimizing data handling and processing.
- Increased throughput by 20% by implementing HikariCP connection pooling in Hibernate, optimizing database performance and resource management.
- Optimized stored procedures, SQL query execution was reduced from 45 minutes to 2 minutes.

VICTORY PACKAGING INDUSTRY   India
Java Developer - Operation Analyst Developer   Jul 2014 - Dec 2019
- Collaborated closely with vendors and management to ensure management applications and financial Application tracking systems operated smoothly, enhancing operational efficiency.
- Built and automated Material Management systems using Java and Apache Struts, streamlining business transaction workflows for better efficiency.
- Optimized Java application performance by fine-tuning garbage collection parameters to minimize object creation, resulting in a 30% improvement in performance.
- Achieved 95% test coverage with JUnit, reduced production issues and bug resolution time by 15%.

Projects

E-commerce Java Backend Project   Aug 2024
- Developed an e-commerce backend application using Spring Boot in a distributed system with Oauth2. Implemented an API Gateway service for API management and authorization, integrated order services with inventory services via RestClient, and used Kafka for notification service communication.
- Deployed the application in Docker, managed database migrations with Flyway, tested with WireMock, and monitored with Grafana.

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage   Oct 2023
- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram for a data processor, considering different operating modes and database connections.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.

Fileserver Challenge   Apr 2023
- Implemented the middleware using Flask and Redis, achieving efficient traffic management and fault tolerance with caching mechanisms and deployed the application in Docker with 5 replicas under resource constraints (2 CPUs, 4GB RAM).
- Successfully handled 2,487 API requests/second, achieved a 99.78% success rate, processed 448,643 requests, and maintained 70.17% accuracy in 469 seconds.

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

Master of Science in Computer Science   Jan 2022 - Dec 2023
GPA: 3.61
Relevant Coursework: Design and Analysis of Algorithms, Server-Side Web Programming, SQA and testing, Data Analytics and Software Engineering.

Skills

Languages: Java, Python, JavaScript, HTML5, CSS3
Frameworks: Spring Boot, React, Redux, Axios, Spring Cloud, Spring MVC, Apache Kafka, Hibernate
Messaging & Streaming: Kafka with Avro Serialization, Kafka Schema Registry, RestClient
Cloud Platforms: AWS (EC2, S3, Lambda, DynamoDB, CloudWatch), Azure (Azure SQLDB, App Services)
Databases: MySQL, MSSQL, PostgreSQL, Oracle, MongoDB, Redis
DevOps & CI/CD: Git, GitHub, Docker, Kubernetes, Jenkins, Prometheus, Grafana
Tools/Technologies: OO (Object-Oriented) Design, JUnit, WireMock, Postman, Maven, Tomcat,

Certification

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.