IRSHAD A. SCHOWRAI

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SUMMARY

Full Stack Java Developer with 2 years of experience in building scalable applications using Java, Spring Boot, and React. Successfully developed RESTful APIs, integrated AWS services, optimized databases, and improved system efficiency using Kafka. Looking to leverage these skills to enhance application performance and scalability.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, JSON, HTML5, CSS3.
Framework: Spring Boot, Hibernate, Spring Cloud, Junit, WireMock, ReactJS, Axios, React Query, Flask.
Web Technology: REST, Microservice, Apache Kafka, Bootstrap, OAuth, JWT, Eureka Discovery, RestClient, WebClient.
Database (SQL/NoSQL/Caching): MySQL, MSSQL, PostgreSQL, MongoDB, Redis.
Cloud Computing: AWS (EC2, S3, Lambda, DynamoDB, RDS, SQS, SNS, CloudWatch).
Tools: Git, Postman, GitHub, Maven, Jenkins, Docker, Kubernetes, Prometheus, Grafana, Loki, Tempo, DevOps, Agile, Jira.

PROFESSIONAL EXPERIENCE

WAVESOFT SOLUTIONS INC | Software Engineer (Java Developer) **|** Boston, United States   **Mar 2024 – Present**

- Architected a multi-threaded Spring Boot solution for insurance files to generate UUIDs and store them in AWS S3, along with MySQL scripts to optimize data organization and retrieval, enhancing policy management for existing customers
- Automated real-time data processing and storage in RDS MySQL using a Spring Boot application integrated with AWS Lambda, triggered by S3 events via EventBridge, improved system efficiency by 30% and processed over 5000 events daily.
- Integrated WireMock for testing vendor APIs, resulting in a 15% reduction in bugs and improved test reliability.

ERNST & YOUNG LLP | Senior Consultant | Bangalore, India   **May 2021 – Dec 2021**

- Built a full stack web application to capture shipping records processed with Java Data and Time API, leveraging React, Spring Boot and PostgreSQL, optimizing data retrieval and user interaction.
- Optimized performance and scalability by optimizing backend systems in Spring Boot to process millions of financial records in under 3 minutes, using efficient query design, batch processing, parallel streaming, and distributed software techniques.
- Implemented a data streaming solution using Apache Kafka, Avro for data serialization, and Schema Registry for schema management, ensuring efficient and reliable data transmission with schema evolution support.
- Conducted 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%.

JK TECHNOSOFT LTD | Senior Developer | Noida, India   **Sep 2020 – May 2021**

- Engineered a React-based web application with data visualization features, including interactive filtering, pagination, and sorting, to streamline the analysis of large datasets, enhancing user experience and data accessibility.
- Enhanced data processing efficiency 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.
- Worked on real-time statistical analysis and complex business logic using Java Bean components, driving cost-effective solutions for financial data processing, and significantly improving the performance of time series analysis systems.

PROJECTS

E-commerce Java Backend Project: GITHUB   **Aug 2024**

- Designed and developed an E-commerce Java Spring Boot microservice architecture, configured OAuth2 with Keycloak and Spring Security for authenticated user transactions and integrating email notifications for order confirmations.
- Integrated RestClient and Kafka for inter-service communication, leveraged Resilience4j for fault tolerance and Flyway for database migration. The application was containerized using Docker and deployed through Kubernetes (KIND).

Fileserver Challenge: GITHUB   **Apr 2023**

- Built a high-performance file server middleware using Flask and Redis to optimize fault tolerance and low latency, caching REST API requests before persisting to disk. Achieved over 500 API calls/second by efficiently managing traffic.
- Deployed the application in Docker with 5 replicas under strict resource limits (2 CPUs, 4GB RAM), processing 135,000+ requests before container termination upon 100 failed requests, 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 in Computer Science   **Jan 2022 – Dec 2023**

CERTIFICATES

- **Confluent Fundamentals Accreditation**: Proficient in Apache Kafka: Real-Time Streaming.   Certificate Link   **Jul 2024**
- **Oracle Java Explorer**: Scored 100% in Oracle Java Explorer assessment.   Certificate Link   **Jan 2024**
- **Forage Walmart Global Tech**: Advanced Software Engineering Job Simulation.   Certificate Link   **Oct 2023**