IRSHAD A. SCHOWRAI

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Summary

Experienced Java Full Stack Developer with 7+ years of expertise in Java, Spring, and ReactJS web applications. Optimized application performance, increased user engagement, and ensured high code quality. Skilled in Java8, React JS, RESTful API, Microservices, Spring Batch, Kafka, Docker, and Agile.

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, Oracle
- **Cloud Computing**: AWS (EC2, S3, Lambda, DynamoDB, RDS, SQS, SNS, CloudWatch), Cloud Solutions
- **Tools**: Git, Postman, GitHub, Maven, Jenkins, Docker, Kubernetes, Prometheus, Grafana, Loki, Tempo, DevOps, Agile, Jira.

Work Experience

WAVESOFT SOLUTIONS INC   **Mar 2024 - Present**
Software Engineer (Java Developer)   *Boston, MA*
- Developed REST APIs using Spring Boot to store and manage client insurance information in AWS S3, and wrote MySQL scripts to add and assign global UUIDs to existing files, enhancing data organization and retrieval while ensuring data integrity.
- Worked on REST APIs in Spring Boot to store insurance information of client in AWS Cloud.

ERNST & YOUNG LLP (MICROSOFT)   **May 2021 - Dec 2021**
Senior Consultant (Java Developer)   *Bengaluru, India*
- Designed and developed a full-stack web application to capture metadata of records processed in the CILL system, using React JS for the frontend and Spring Boot to build RESTful APIs for data retrieval from MySQL.
- Implemented Kafka with Avro serialization and Confluent Schema Registry for managing schemas, using Spring Boot to produce and consume real-time data streams via Confluent Kafka.
- Performed root cause analysis of defects in production environment and devised strategic plans with team to fix them, improving user and client experience by 10% and demonstrating thorough comprehension of the Software Development Life Cycle.

JK TECHNOSOFT LTD   **Sep 2020 - May 2021**
Senior Developer (Java Developer)   *Noida, India*
- Developed mock web services with Java Spring Boot and REST architecture to reduce dependency on vendor APIs for testing, resulting in 5% fewer bugs.
- 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 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.

VICTORY PACKAGING INDUSTRY   **Jun 2014 - Dec 2019**
Operation Analyst Developer (Java Developer)   *Noida, India*
- Engineered and optimized high-volume REST APIs in Java/J2EE, reducing data retrieval time by 5x through SQL query optimization and MSSQL RDS sharding.
- Designed automated data extraction, processing, and batch insertion processes, saving 50 hours weekly in manual data handling.
- Improved database query efficiency, reducing server load by 15% and enhancing application stability, resulting in a 30% increase in customer satisfaction.

Projects

E-commerce Java Backend Project: GITHUB   **Aug 2024**
- Developed E-commerce Java application in Spring Boot, configured OAuth2 with Keycloak and Spring Security for authenticated user transactions and sent email notifications for order confirmations.
- Integrated RestClient and Kafka for inter-service communication, utilizing 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**

- Developed a high-performance middleware in Flask with Redis caching RESTful API calls, to manage high traffic with load balancing, optimized with HashMap features, achieved 500 API calls per second and processed over 135,000 API calls in 7 minutes.
- Containerized the middleware using Docker with 5 replicas, ensuring efficient resource management within a constrained environment of 2 CPUs and 4 GB of memory, distributed evenly across the containers.

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   **Jan 2022 - Dec 2023**
Master of Science in Computer Science   *United States*

University of Madras   **Jun 2005 - Mar 2008**
Bachelor of Computer Application   *India*

Certification

- **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**
- **Forage LYFT**: Back-End Engineering Job Simulation.   [Certificate Link](#)   **Oct 2023**