IRSHAD A. SCHOWRAI

Worcester, MA | +1 7746969620 | irshad_ahmeds@yahoo.com | visit my website | **LINKEDIN** | **GITHUB**

SUMMARY

Experienced Full Stack Java 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

Languages : Java, Python, JavaScript, HTML5, CSS3.
Framework/Library: Spring Boot, ReactJS, Spring Cloud, Apache Kafka, Axios, React Query, Flask, Junit, WireMock, flyways.
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.

PROFESSIONAL EXPERIENCE

WAVESOFT SOLUTIONS INC   **Mar 2024 - Present**
Software Engineer   *Boston, MA*
- 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.
- Developed a new implementation using RestClient, configuring it to handle synchronous REST API calls between microservices. This involved setting up RestTemplate or WebClient, depending on the specific requirements for non-blocking I/O.
- Integrated Redis caching and optimized service performance in a distributed system by enabling service discovery and inter-service communication with RestClient and Eureka for efficient scalability.
- Performed thorough testing to validate the new setup, ensuring that all microservices communicated effectively and that performance improvements were realized.

ERNST & YOUNG LLP (Client: Microsoft)   **May 2021 - Dec 2021**
Senior Consultant   *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.
- Configured Kafka with Avro Serialization and Confluent Schema Registry, to enhanced schema management for real-time data, resolving schema evolution and compatibility issues. Achieved a 50% increase in data throughput and a 40% reduction in errors.
- Configured multi-tenant database architecture using Spring Boot, JPA, and Hibernate, enabling separate data source configurations and transaction management for tenant-specific entities.
- 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 (Client: Tata Consultancy Service)   **Sep 2020 - May 2021**
Senior 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   *India*
- Engineered and optimized high-volume REST APIs in Java/J2EE, reducing data retrieval time by 5x through SQL query optimization and MSSQL 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*

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**

Awards/Honored

- Honored with the GEM (Global Excellence Medal) for exceptional performance and contributions to high-impact projects, showcasing technical expertise and leadership.