Irshad A. Schowrai

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Professional Summary

- With over 12 years of work experience, and expertise in Java - Spring Boot for backend, ReactJS for frontend and RDBMS and NoSQL. I am adept at designing, developing, testing, and deploying scalable applications, specializing in Spring MVC and Spring Boot. Additionally, I am proficient in RESTful APIs, Microservices Architecture, Containerization, and Cloud-Native technologies and known for strong analytical and problem-solving skills, I consistently deliver effective solutions to complex challenges.

Skills

Language: Java, Python, HTML, CSS, JSON.	**AWS Cloud Service**: EC2, S3, DynamoDB, SQS, Lambda.
Framework: Spring Boot, ReactJS, Flask.	**Azure Cloud Service:** Azure Data Lake, Azure Data Factory, Azure SQL Database, Azure Function.
Server: Apache web server, Apache Tomcat.	
Tools: Git, GitHub, Docker, Postman, Selenium, Kafka.	**DBMS :** MongoDB, PostgreSQL, MySQL, MSSQL, Cassandra.

Work Experience

EY (Ernst & Young)   May 2021 – Dec. 2021
  Senior Consultant

- Used Agile methodologies to guide development processes effectively, actively engaging in Daily Scrum meetings, Sprint planning, Sprint Review, and other Agile ceremonies. Ensured projects aligned with Agile principles and goals.
- Developed applications on Spring Boot framework by utilizing its features like Spring Dependency Injection, Spring Web flow with Spring MVC. Adhering to best practices in RESTful API design and ensured HTTP request validation using tools such as Postman.
- Designed and implemented Eureka Discovery client, reducing service registration time by 20% and establishing a centralized directory for 15 microservices, enhancing overall system efficiency.
- Integrated Feign clients for effective and declarative communication between microservices. This approach streamlined the fulfillment of business needs, enhancing efficiency in data retrieval and overall communication.
- Developed a file server service in a Spring Boot application, utilizing Hibernate for data persistence and asynchronous loading of file contents into cache for efficient retrieval.
- Utilized a CSV reader to transform CSV files into JSON format, fulfilling the requirement to create tasks in the SQL database.
- Implemented file upload and download functionalities, ensuring secure and reliable handling of files, and managed caching of file contents to optimize performance.
- Familiarity with front-end technologies like HTML, CSS, and JavaScript for building user interfaces.
- Knowledge of security practices and implementation, such as authentication and authorization mechanisms.
- Involved in designing and deploying multitude applications utilizing almost all the AWS stack (including EC2, S3, RDS, DynamoDB, SNS, SQS, IAM) focusing on high availability, fault tolerance and auto scaling in AWS Cloud formation.
- Developed and executed JUnit test cases for comprehensive unit testing, ensuring code quality and functionality adherence, while leveraging Mockito for mocking dependencies and facilitating isolated testing environments.
- Managed the setup and automation of software deployment using Maven, Git, Docker, and Jenkins, ensuring smooth and efficient delivery of applications.

JK Technosoft Pvt Ltd   Sep. 2020 - May 2021
  Senior Developer

- Designed and implemented microservices architecture using Spring Boot framework with Maven, integrating critical dependencies like Spring Web and Spring Data JPA.
- Developed and optimized REST APIs in Spring Boot to handle high-volume data retrieval tasks, achieving a 5-fold reduction in data retrieval time through SQL query optimization and database sharding on PostgreSQL RDS.

- Utilized Splunk for log file visualization and event analysis, implementing alarms to address traffic and security incidents, resulting in a 15% reduction in application downtime due to crashes.
- Orchestrated deployment of microservices on AWS cloud infrastructure, leveraging AWS services like AWS Elastic Beanstalk and AWS Lambda, while utilizing Amazon S3 for efficient data storage.
- Implemented NoSQL solutions using AWS DynamoDB and structured data storage with Amazon RDS (Relational Database Service), tailoring data storage solutions to microservice requirements within the AWS ecosystem.
- Managed Continuous Integration and Continuous Deployment (CI/CD) pipelines using Jenkins, and Git repository for version control, ensuring efficient code deployment and monitoring.
- Leveraged Java and Selenium to develop automation scripts for Retail Web features, diagnosing performance and compatibility issues, and improving API response time by 15%.

Victory Packaging Industry - India   Jun. 2014 – Dec. 2019
Operation Analyst
- Collaborated with team members to gather and analyze requirements, ensuring alignment with project objectives and client needs.
- Developed, and maintained data pipelines to ingest, process, and analyze large volumes of structured and unstructured data and data quality checks and validation to ensure the accuracy, and consistency of data pipeline.
- Automated data extraction and transformation processes to streamline workflows and improve efficiency.
- Contributed to the design and implementation of data models for relational and NoSQL databases.
- Developed SQL queries to extract and manipulate data from relational databases.
- Developed scalable stored procedures that encapsulate complex logic for process optimization, resulting in 30% increase in performance.
- Provided recommendations to management based on data-driven insights to support strategic decision-making.
- Utilize Git for version control and actively participate in code reviews to ensure code quality and adherence to coding standards.

Carton & Carton - India   Jan. 2009 – Jun. 2014
Planning Process Associate
- Collaborated with cross-functional teams to gather data requirements and ensure alignment with organizational goals.
- Built a centralized test automation platform integrating API specification models, enhancing communication and collaboration between testing and development teams.
- Extensive experience in database programming on stored procedures, functions, and triggers using (SQL, PL/SQL) with Oracle.
- Conducted performance tuning and optimization of data processing workflows to improve efficiency, reduce latency, and enhance overall system performance.
- Implemented monitoring and alerting mechanisms to proactively identify and address issues within the data pipeline, ensuring high availability and reliability of data infrastructure.

Education

Clark University United States.   Master Of Science in Computer Science   Jan. 2022 – Dec. 2023

Project Work

- **Fileserver Challenge (Microservices Project):** **GitHub Repository Link**
  - Implemented a middleware application using Python Flask, effectively managing client requests, and achieving a significant milestone by handling 135,000 API calls in 5 minutes. Utilized Redis storage and retrieval mechanisms to optimize data efficiency and responsiveness, resulting in a 70% enhancement.

Certificates

- **Oracle Java Explorer - Jan/2024** – Scored 100% in Oracle Java Explorer Assessment, showcasing comprehensive mastery of Java programming and earned the prestigious Explorer Badge for excellence.