Meet Shah

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LinkedIn | Portfolio | GitHub | Certificates

EDUCATION

Fairleigh Dickinson University   **Aug 2021 - May 2023**
MS in Computer Science   *New Jersey, USA*
- **Coursework**: Computer Architecture, Software Engineering, Database Systems, Operating Systems, Systems Programming, Data Structure and Algorithms, Assembly Language, Blockchain Fundamentals, Artificial Intelligence, MIS.

SKILLS

Programming Languages: Java, Python, C, C++, SQL, bash , HTML5, JavaScript.
Frameworks & Technologies: Spring Boot, Spring Cloud Gateway, Hibernate, Microservices, REST APIs, Node.js, React.js, CSS3.
Databases & Web servers: MySQL, MongoDB, PostgreSQL, Redis, Elasticsearch, Apache Tomcat.
Cloud: AWS (IAM, EC2, ELB, Lambda, S3, MSK, CloudFormation, Route 53, CloudWatch, Auto Scaling), Kafka.
DevOps & Tools: Docker, Jenkins, Log4j2, Swagger, Postman, SonarQube, Splunk, Selenium, JUnit, Mockito, Jira, Git.
Other: SDLC, Agile, Scrum, TDD, Event-Driven Architecture, OOP, Maven, JPA, JDBC, IntelliJ IDEA, Visual Studio, Windows, Linux.

EXPERIENCE

PRO-TEK Consulting   **Aug 2023 - Present**
Software Developer, Credit Score Evaluation Platform - Backend Team   *California, USA*
- **Engineered** and **deployed** 4 microservices (Data Collection, Credit Score, User Management, Report) with Spring Boot and Spring Cloud Gateway, scaling to **1M+ transactions daily** with **zero downtime** and achieving a **25% increase in throughput**.
- **Optimized** RESTful APIs, **improving inter-service processing by 50%** and reducing response times by **2 seconds per transaction** using **Spring Boot** and **Kafka**.
- **Integrated** Kafka for asynchronous data updates, **reducing latency by 70%** and processing **50K+ events/hour** for real-time credit scoring.
- **Implemented** Redis caching for high-demand queries, reducing API calls by **40%** and improving response times by **50%**.
- **Leveraged Amazon RDS** for **MySQL** and **EC2** with Auto Scaling, handling a **50%** traffic increase while maintaining optimal performance.
- **Secured** user authentication with **OAuth** protocols, **reducing unauthorized access attempts by 60%** and enhancing system security.
- **Established** centralized logging and monitoring with **Log4j2** and **Splunk**, achieving **90% faster error resolution**.

Ample Infotech.   **Mar 2020 - Jul 2021**
Software Engineer, Online Learning Management System (LMS) - Backend Team   *Gujarat, India*
- **Engineered RESTful APIs** for LMS features (user authentication, course enrollment, and assignment management) using **Spring Boot** and **Spring Data JPA**, supporting **5000+ active users** with high reliability.
- **Optimized** course enrollment process by implementing **Amazon SQS**, reducing processing time by 35% and enhancing system efficiency, resulting in improved user experience.
- **Contributed** to the design and implementation of an **event-driven architecture** using **AWS Lambda**, automating grading and notifications, boosting scalability and reducing manual processes.
- **Implemented secure authentication** using **JWT and RBAC,** improving security by ensuring role-based access and reducing unauthorized access attempts by 30%.
- **Collaborated with DevOps** to deploy backend services on AWS using **EC2, Lambda, and CloudFormation**, optimizing the deployment process for better efficiency.

PROJECTS

Library Inventory Application | *Java 11, Spring Boot, Kafka, Microservices Architecture, H2, Docker, JUnit, Mockito, RESTful APIs.*   **Link**
- Built a microservices-based library inventory system using Kafka for real-time processing and Spring Data JPA for efficient data management.
- Developed secure RESTful APIs and conducted unit testing with JUnit and Mockito to ensure robust functionality.
- Containerized the application with Docker for efficient deployment and scalability.

Urban Thread (An E-commerce Platform) | *Java, Spring Boot, Hibernate, MySQL, Swagger, Postman, Railway Cloud.*   **Link**
- Designed backend architecture with 12+ core features, leveraging secure RESTful APIs, JWT authentication, and MySQL integration.
- Validated APIs with Postman (97% success rate) and optimized performance with Railway Cloud, reducing response times by 30%.
- Deployed on Railway Cloud, optimizing server performance and reducing response times by 30%, with Swagger for API documentation.

Human Resources Management System | *Java/J2EE, Spring, JDBC, MySQL, Thymeleaf, Tomcat.*   **Link**
- Developed a robust HR management system with Spring Boot, RESTful APIs, and MySQL for data handling.
- Utilized Hibernate for persistence management, improving data consistency and scalability.

CERTIFICATIONS

- Spring, Spring Boot, Hibernate Certification – Udemy
- AWS Certified Cloud Practitioner – Amazon Web Services
- Apache Kafka for Developers using Spring Boot – Udemy
- The Complete Splunk Beginner Course – Udemy