Ali Shahzad

Software Engineer
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Summary

- Experienced Java Developer with 6+ years in Java, Spring Boot, and Microservices.
- Lead developer for accounting and analytics software in the digital and newspaper publication sector, specialising in back-end development.

Skills

PostgreSQL • Linux • Java 11 • Github • Docker • AWS (Amazon Web Services) • Angular • JUnit

Work Experience

Software Developer
Jun 2019 – present

Contour Software

Karachi, Pakistan

Technologies: Spring Boot • PostgreSQL • Jpa hibernate • Docker • Microservices

- Developed a comprehensive web-based accounting and analytics software product customised for the newspaper and digital publication sector. Utilised Spring Boot, PostgreSQL, and Angular 8, while also creating insightful Jasper reports to empower data-driven decision-making for clients.
- Successfully on-boarded six Italian newspaper clients through product customisation and feature enhancements.
- Managed automated and manual application deployments, incorporating unit tests and CI/CD pipelines, across multiple AWS EC2 instances. Ensured seamless demonstrations and quality assurance.
- Engineered an Image Analysis microservice utilising Amazon Rekognition to extract object tags from images, offering Italian translations for the Italian market using Amazon Translate.
- Optimised tag translation process by implementing a multi-level cache system, reducing translation costs by up to 35% and accelerating tagging by a factor of two, utilising Caffeine Cache and SQLite.
- Developed a microservice for user activity tracking by creating RESTful APIs with Spring Boot. Integrated these APIs seamlessly with a ClickHouse database within Docker containers and designed an insightful Grafana dashboard for in-depth analysis of user behaviour.

Software Engineer
Oct 2017 – Jun 2019 • 1 yr 8 mos

Avanza Solutions

Karachi, Pakistan

Technologies: Angularjs (1.x) • MySQL • Jenkins • Spring data • Java 11

- Spearheaded enhancements, implemented critical features, and conducted user acceptance testing for the Internet Banking product, employing Java, Spring, and AngularJS technologies.
- Delivered proactive onsite and offsite support for the Legacy Internet Banking solution, underpinned by Java Struts Framework. Expertly troubleshooted issues and engaged with customers to provide exceptional post-live support, ensuring seamless operations and customer satisfaction.

Software Developer
Feb 2017 – Oct 2017 • 8 mos

Cosmos

Karachi, Pakistan

Technologies: JavaScript • HTML/CSS • Agile • Jira • Apache maven

- Involved in development and maintenance of vertical ERP in E-commerce domain, dealing with Shopify, Amazon, Jet APIs etc.
- Built complete backend for a local E-commerce website and business including all modules like order, inventory, vendor payments etc.

Projects

Currency Conversion Microservice Application

Oct 2023 – present

Technologies: Spring cloud • Microservices • Spring Boot • Docker

- This Currency Conversion application was a hands-on journey into the world of microservices architecture. During this project, I acquired valuable expertise in Spring Boot Microservices and gained in-depth knowledge of essential components, including Spring Cloud, Eureka naming server, Resilience4j circuit breakers, Feign, Zipkin and API gateway.
- Additionally, I successfully orchestrated the deployment of multiple microservices as docker images using docker-compose.

Educations

Master's degree: Data Science

Jan 2021 – Mar 2023 • 2 yrs 2 mos

NED University of Engineering and Technology

Karachi, Pakistan

Bachelor's degree: Computer Science

Jan 2013 – Dec 2016 • 3 yrs 11 mos

University Of Karachi

Karachi, Pakistan

Grade/GPA: 3.2

Languages

English (Professional working proficiency)

Urdu (Native or bilingual proficiency)