

Muhammad Owais Mushtaq

✉ mushtaqmuhammadowais@gmail.com

🌐 [Web Profile](#)

in [muhammadowaismushtaq](#)

📍 Karachi, Pakistan

Summary

Results-driven Software Development Engineer with over 3 years of experience in designing and delivering SaaS applications using Java Spring Boot and Angular in Agile environments. Skilled in full-stack development, cloud enablement, and DevOps automation with a focus on scalable, maintainable architectures.

Strong communicator with proven ability to collaborate across technical and business teams, produce high-quality documentation, and deliver reliable solutions aligned with business goals.

Education

National University of Computer and Emerging Sciences - FAST

June 2018 to July 2022

Bachelors of Computer Science

CGPA: 3.02/4.0

Projects

- In my Final Year Project, I teamed up with two classmates to research Vision-based Human Activity Recognition. Our research compared different Deep Learning methods such as CNN, CNN+LSTM, Inception-V3, and MobileNet using the UCF-101 dataset. [Learn more](#)
- Utilized CNN to create a custom brain tumor detection model, enhanced accuracy by incorporating a pre-trained VGG-16 model, and compared the performance of both models. [Learn more](#)
- Developed ATM Cash Predictor, utilizing Machine Learning techniques (Linear Regression and XGB Boost) to optimize cash loading, minimizing storage costs while ensuring ATM availability. [Learn more](#)

Experience

Matrix Systems (Pvt) Ltd, Software Development Engineer II

July 2022 to Present

- Delivered an end-to-end multi-tenant SaaS platform, leading full lifecycle development from requirements to MVP in collaboration with cross-functional teams.
- Designed scalable frontend/backend architectures and modernized legacy web applications using contemporary stacks.
- Developed RESTful APIs with Swagger documentation, structured logging, and automated unit testing.
- Built dynamic and robotic reports in Jasper Studio using SQL stored procedures and external data sources.
- Automated CI/CD pipelines using GitHub Actions, Jenkins, Bitbucket, SonarCloud, Jacoco, Docker, and Azure Kubernetes Service (AKS).
- Migrated legacy C++ (MFC) utilities to Azure Cloud with optimized Blob-to-SQL integrations using BCP.
- Actively participated in ISO 9001:2015 and CMMI DEV Level 3 audits, contributing to process definition, documentation standardization, and organizational template creation.
- Served as technical lead for a 6-member development and QA team; responsible for sprint planning, reviews, client demos, retrospectives, and requirement elicitation sessions with stakeholders and project managers.
- Practiced Agile methodologies to enhance delivery efficiency, code quality, and team collaboration.

Folio3, Software Engineering Intern

Jan 2022 to Aug 2022

- Teamed up with interns and senior engineers, gaining hands-on experience in the organization's workflow.
- Successfully developed a web application project, adhering to industry best practices.

Technical Competencies

Languages & Frameworks: Java (Spring Boot), TypeScript (Angular), SQL, Hibernate, JPA

Backend Development: RESTful APIs, OpenAPI-Swagger, Unit Testing (JUnit), Structured Logging, API Documentation

Frontend Development: Angular, Bootstrap, Responsive UI/UX

DevOps & CI/CD: GitHub Actions, Bitbucket Pipelines, Jenkins, Docker, Kubernetes (AKS), SonarCloud, Jacoco, Lynx

Database & Cloud: SQL Server, Stored Procedures, Schema Design, Query Optimization, AWS

Productivity & Reporting: Agile (Scrum/Kanban), Linux, JasperReports, Microsoft Office Suite, Confluence

Technical Writing: Design Specs, Research Papers, SRS Documentation

Training & Certifications

Aspire Leadership Program, Leadership Development Training

Jan 2024 to April 2024

- Engaged in leadership training, seminars, and networking with Harvard Faculty Members and global activists.
- Actively collaborated on projects supporting institutional goals and built valuable relationships with Aspire Leaders and professionals.

Sherdil IT Academy, AWS Training

Feb 2023

Building Scalable Java Microservices with Spring Boot and Spring Cloud, Google Cloud

Nov 2022