Ahmed Hassan Tariq

Skilled and passionate software engineer working in the software industry since 2020. Seeking a challenging opportunity in an impactful organization to further polish my skills and grow in my career

Lahore, Pakistan
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EXPERIENCE

Big Byte, Lahore — *Software Developer*   June 2024 – Present

Healthcare Platform

Currently working on a mobile application based in Germany. The application provides patients and doctors a mode of communication. Its major services are record compilation, file sharing, appointments, video consultation, secure chat, automating emails and managing user permissions. The application backend is designed using microservices architecture in Spring Boot.

Tools & Technologies: Java 17, Spring Boot, Spring Security, JPA, Hibernate, MySQL, RabbitMQ, Amazon Web Services, Flutter, Stripe

Responsibilities:

- Complete System design with Frontend & Backend functionalities
- Signal Protocol implementation
- Payment gateway setup with Stripe
- Messaging Queues with RabbitMQ, Push Notifications
- Secure Audio/Video call implementation with WebRTC

Topiq – Mobile Application

Ed-tech mobile platform aiming for higher course completion rate. Made for students with special abilities.

Tools & Technologies: Java 17, Flutter, Node js, MySQL

Responsibilities:

- Developing Android/iOS Applications
- Course media format conversion in Python
- Developing Course Managements Portal
- Deployment on AWS

EDUCATION

Comsats University Islamabad, Lahore
Bachelors Of Science in Computer Science (BSCS)   July 2025

Projects

Crop Health Prediction using Computer Vision & GANs – Final Year Project

- Worked as a full stack developer on a python based web application using FastApi which predicted crop health by estimating presence of weed and lodging.
- Worked on SAM (Segment Anything Model) to finetune for crop delineation.

TECHNICAL SKILL SET

All JAVA/J2EE technologies, Spring, Spring Boot, Spring JDBC, Spring Security, Spring JPA, OAuth 2.0, RabbitMQ, Docker, Azure DevOps, Git, Firebase, Gitlab, Github, ES6, HTML5, Javascript, React, Android, Flutter, Stripe

Database

MySQL, SQL Server, MongoDB, Firebase, SQLite

Development and Design Tools

IntelliJ IDEA, PyCharm, Android Studio, Visual Studio Code, Adobe Illustrator, Figma

OTHER ACADEMIC PROJECTS

Health Portal (Java, JavaFx, Firebase), Inventory Management System - Hybrid Master, (Java, JavaFx, MySQL, Firebase), E-Commerce Store (Flutter, Firebase), Audio/Video Caller (Flutter, WebRTC), Optical Character Recognition (Python)

Miscellaneous

Web Technologies, UI/UX, Saas, Programming Languages, Version Control Systems