

Muhammad Talha Atif

Full Stack Engineer

+923064391520 ◇ talhaatif573@gmail.com ◇ Lahore, Pakistan ◇ [LinkedIn](#) ◇ [GitHub](#) ◇ [Portfolio](#)

PROJECTS

Moodly- Experience Booking Platform [Link](#)

Aug '25 — Present

- Architected a real-time mood detection system using voice tone and facial expression analysis, powered by a RabbitMQ event-driven pipeline to dynamically personalize user experiences, significantly increasing satisfaction and retention.
- Built seamless booking and cancellation workflows with one-tap actions and instant confirmations, reducing transaction drop-off rates and streamlining user experience flow.
- Designed UI components that help users maintain their connection streaks, track mood changes, and visualize their mood journey over time, improving overall engagement and retention.
- Implemented voice-command interface enabling hosts to create and manage experiences hands-free, accelerating content onboarding with real-time backend synchronization via event-driven architecture.

Memingo - Language Learning Platform [Link](#)

Sep '24 — Present

- Optimized leaderboard API performance by implementing **Redis caching**, reducing response time from 30 seconds to approximately 90ms and eliminating user drop-off to enable seamless real-time rankings
- Built a real-time object-detection module that identifies items and instantly delivers vocabulary, cultural context, and learning tips, transforming the app into a highly context-aware language learning experience
- Designed and built 9 interactive lesson formats for diverse learning styles, increasing course completion and improving long-term retention.
- Integrated a **Gemini API-powered chatbot** to provide personalized learning paths and resources, accelerating average learner progression

WORK EXPERIENCE

Full Stack Engineer

Present

Digital Upgraders LLC

United Arab Emirates (Remote)

- Supporting ongoing development across a multi-role platform built on Next.js, Supabase, Express.js and deployed on AWS EC2.
- Spearheading comprehensive codebase refactoring by implementing atomic design patterns, feature-based architecture, and DRY principles, reducing code duplication by 35%
- Resolving critical cross-platform compatibility issues affecting Android and web platforms, implementing responsive scroll behaviors and touch event handlers to ensure consistent UX across devices
- Optimizing session management infrastructure in Supabase and Next.js stack reducing authentication failures by 40% through improved token refresh logic and session persistence strategies

SKILLS

Programming Languages Javascript, TypeScript, SQL, Python

Backend Node.js, Nest, Express.js, Mongoose, Fast Api, Flask, Microservices, Next.js

Databases MySQL, MongoDB, SQ Lite, PostgreSQL, Supabase

Development Tools Android Studio, VS Code, IntelliJ IDEA, Postman, Eclipse, Pycharm

Frontend Html, CSS, React JS, TailwindCSS, Shadcn UI

Version Control Github, Git

AI & Third Party Services Swagger, Stripe, Open Ai, Gemini, Hugging Face Models

Mobile App Development React Native, Expo, Android SDK, Android

Cloud & DevOps Docker, RabbitMQ, Firebase, AWS, AWS S3, AWS RDS

CERTIFICATIONS

Master Microservices with SpringBoot, Docker, Kubernetes, Udemy

May '25

AWARDS

Runner-up, App Development Hackathon (2025)

May '25

Organized by Punjab University

Participant, Devathon Speed Programming Contest (2024)

Oct '24

Organized by Devsinc

Participant, CALICO Berkeley Speed Coding Competition (2024)

Dec '24

University of California, Berkeley

Ranked, ICPC Asia Topi Online Programming Contest (2024)

Nov '24

Organized by International Collegiate Programming Contests

EDUCATION

Bachelor's degree in Computer Science, University of Management and Technology - UMT

Oct '21 — Aug '25
Lahore, Pakistan