

Muhammad Tayyab Bahaud Din

Senior Flutter & AI Engineer

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SUMMARY

Software engineer with 6+ years shipping iOS and Android apps for marketplaces, logistics and e-commerce. These days I focus on AI-driven development: LLM features, retrieval-augmented generation and agentic workflows, with Python and FastAPI behind clean Flutter front ends.

SKILLS

Mobile: Flutter, Dart, iOS, Android, Kotlin, Swift, React Native, Platform channels

Architecture: Riverpod, BLoC, Clean architecture, Test-driven development, Performance optimisation

AI & ML: LLM integration, RAG, Agentic AI, LLM orchestration, Machine learning, Azure AI

Backend & data: Python, FastAPI, Django REST Framework, PostgreSQL, Firebase, SQLite, Hive, Docker

Delivery: CI/CD, Build flavors, App Store Connect, Google Play Console, Git, Agile / Scrum, Team leadership

EXPERIENCE

Agentic AI & Front-end Engineer — LogicEra (Cloud & AI Partner)

Oct 2025 – Present

Dubai, UAE (remote) · Full-time

- Design and build agentic AI workflows for client solutions: LLM agents that plan, call tools and APIs, and carry out multi-step tasks.
- Build the front ends of AI products, including chat and assistant interfaces with streaming responses, tool-call progress and human-in-the-loop review.
- Integrate LLM providers and retrieval-augmented generation (RAG) over client data, with prompt design, context management and guardrails.
- Develop Python and FastAPI services that orchestrate agents and expose them securely to web and mobile clients.
- Test and harden agent behaviour before release, handling failures, cost and latency in production.

Senior Software Engineer (Cross-Platform) — AI Taif Group

Mar 2022 – Oct 2025

Islamabad, Pakistan · Full-time

- Led an engineering team architecting and scaling enterprise delivery and e-commerce applications serving thousands of active users.
- Designed modular application architectures from scratch, standardising state management, directory structures and design patterns across company repositories.
- Implemented automated CI/CD pipelines and multi-flavor environments (Dev, QA, Production), reducing deployment errors and accelerating release frequency.
- Owned complete release lifecycles across App Store Connect and Google Play Console: publishing pipelines, certificates and compliance.
- Ran systematic code reviews and performance audits, optimising memory footprint and rendering performance for low-spec devices.

Software Engineer (Flutter) — Turing

Aug 2023 – Dec 2023

Remote · Part-time

- Engineered full-stack marketplace features with Python, Django REST Framework, Docker and PostgreSQL.
- Configured multi-environment build flavors and CI/CD automation for cross-team development and staging.
- Implemented reactive state management with Riverpod for responsive UIs with complex data-syncing needs.
- Optimised performance: thread efficiency, battery consumption and network requests.

Software Engineer (Flutter) — AppWowZap

Apr 2021 – May 2022

Pakistan · Full-time

- Developed cross-platform client apps in Flutter and React Native for iOS and Android.
- Integrated POS thermal printing through native method channels.
- Built real-time messaging, payments and location features with WebSockets, Stripe and the Google Maps API.
- Implemented Firebase Cloud Messaging push notifications and REST API integrations.

Pakistan · Full-time

- Practised test-driven development and built automated test suites ahead of production releases.
- Established early CI/CD pipelines for build, test and distribution.
- Led greenfield Flutter development while refactoring legacy native Android code into modern architectures.

SELECTED PROJECTS

- **Ticket Wallet** (iOS & Android) — Real-time marketplace for sports and event tickets, with AI-assisted listing and pricing. 4.8★ on the App Store.
- **TFM Courier 2** (Android) — Field app for delivery riders: scanning, location tracking and offline-tolerant sync. 5K+ installs · 4.4★.
- **Recall** (Android) — My own offline-first tracker for movies, anime, manga and books. Designed and built solo.

EDUCATION

Bachelor's degree, Computer Science — Qurtuba University of Science and Information Technology

2015 – 2019

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals — Microsoft, Aug 2026 (Credential ID 89675DE221E0644)
- Supervised Machine Learning: Regression and Classification — DeepLearning.AI & Stanford (Coursera)
- Advanced Learning Algorithms — DeepLearning.AI & Stanford (Coursera)
- Unsupervised Learning, Recommenders, Reinforcement Learning — DeepLearning.AI & Stanford (Coursera)