

Muhammad Jamal Fayyaz

Senior Flutter & Android Engineer · Python Backend · AI Integration

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PROFESSIONAL SUMMARY

Senior mobile engineer with 6+ years shipping 30+ production apps across Play Store and App Store for international clients. Grew from Android Native (Java — primary, with Kotlin) to Flutter and Python backend — holding all three simultaneously. Deep expertise in cross-platform mobile architecture, multi-LLM AI integration, Docker pipelines, and CI/CD. Built and led engineering teams of 3–6. Creator of an AI-powered SaaS that auto-generates Flutter apps from natural-language prompts.

LIVE APPLICATIONS

Amigo's Pizza	Flutter (Android + iOS)	Play Store · App Store
AI App Builder SaaS	Flutter Web	hostrender.web.app
Lonch	Flutter (Web, Android, iOS)	lonch.io
Sheesh Mahal Leeds	Android · Freelance	Play Store
Anmol Cuisine Morley	Android · Freelance	Play Store
Frame2Complex	Android · 100+ downloads	Play Store
Undisputed	Android · 1,000+ downloads	Play Store

WORK EXPERIENCE

Senior Flutter Engineer & Python Backend Lead | Hostrender | Remote · Turkey

Started as Android Developer · Expanded to Flutter + Python Backend · Full-time · Dec 2023 – Present

- Joined as Android developer; transitioned to Flutter within months and added Python backend responsibilities as the platform scaled.
- Architected and shipped cross-platform Flutter apps (Android, iOS, Web) across multiple active product lines.
- Implemented CI/CD via GitHub Actions with self-hosted runners (Android, iOS, Windows, Web) — reducing release cycle time by ~60%.
- Maintained 99%+ uptime on self-hosted infrastructure: backend servers, Appwrite instances, and build runners.
- Built real-time communication systems using WebSockets; led sprint planning and enforced clean architecture across the team.

► Key Project: AI App Builder SaaS (hostrender.web.app)

- Designed and built a Flutter Web SaaS that auto-generates production-ready Flutter apps from natural-language prompts — integrating GPT-4, Gemini, and Claude.
- Built Python backend orchestration layer for multi-LLM prompt routing, structural validation, Docker-isolated build pipelines, and automated compilation validation.

Android Developer → Senior Flutter Engineer & Technical Lead | UPTECH Sol (SMC) Ltd | Islamabad, Pakistan

Full-time: Jul 2020 – Dec 2023 · Part-time / Advisory: Dec 2023 – Jul 2025

- Started as Android Native developer (Java/Kotlin); progressed to Flutter after 2 years while continuing Android development alongside.
- Assumed Technical Lead responsibilities across 5+ concurrent client projects; supervised teams of 3–6 developers.
- Designed and built Lonch — a large-scale social + productivity hybrid platform (Flutter, Web/Android/iOS) combining social feeds, channels, docs, and a digital wallet. Live at lonch.io.
- Architected multi-tenant residential management systems for 1,000+ residents — hierarchical: communities → properties → floors → units.

- Maintained 100% on-time delivery across all contracted milestones; handled enterprise NDA-based projects for international clients.

► **Key Project: Community Management Platform (StoreFaces)**

- Led Android Native (Java — primary, Kotlin) development for a large-scale residential platform — booking, task management, property modules, group chat, and payment processing.
- Migrated backend from Firebase to AWS, reducing infrastructure costs; designed RBAC for 5 distinct user roles (residents, managers, guards, maintenance, admins).

Android Developer | ProxyMedia Pvt Ltd | Islamabad, Pakistan

Full-time · Jan 2020 – Jul 2020

- Developed 3 production Android apps using Java: Consumer Rights (legal info), Expense Manager (personal finance), Lawyer Finder (location-based legal directory).
- Implemented REST API integrations, SQLite local storage, and Google Maps SDK.

Freelance Mobile Engineer | Fiverr & Direct International Clients | Remote

Part-time alongside full-time roles · May 2018 – Present

- Delivered 30+ production mobile apps for international startups across Android Native and Flutter; majority are NDA-protected or client-owned private releases.
- Specialised in Stripe, Apple Pay, Google Pay integrations; location-based business logic; scalable backend integrations.
- Independently published Frame2Complex (100+ downloads) and Undisputed (1,000+ downloads) on Play Store.

► **Key Project: Amigo's Pizza (Multi-Platform Food Ordering)**

- Built Flutter apps for customer and admin; integrated Stripe, Apple Pay, Google Pay; implemented 5-mile radius delivery logic and dynamic menu architecture.
- Developed admin dashboard with real-time order management, daily/weekly/monthly analytics, and open/close controls. Live on Play Store & App Store.

TECHNICAL SKILLS

Flutter / Dart	Flutter (Android, iOS, Web) · Dart · BLoC · Provider · Riverpod · GetX · MVVM · MVM · Clean Architecture · Feature-First
Android Native	Java (primary) · Kotlin · Jetpack Compose · ViewModel · LiveData · Room · Navigation · WorkManager · Coroutines · Flow · Hilt
Networking	Dio · http · Retrofit · Volley · OkHttp · REST APIs · WebSockets · Real-Time Systems
Backend & DBs	Python · Firebase (Auth, Firestore, Functions) · Appwrite (Cloud & Self-Hosted) · SQLite · AWS
Maps & Location	Google Maps SDK · Location Services · Geofencing · Location-Based Business Logic
AI & LLM	Multi-model Orchestration (GPT-4, Gemini, Claude) · Prompt Engineering · AI Code Generation · Docker Pipelines
DevOps & Infra	GitHub Actions · Self-Hosted Build Runners · Docker · Linux Server Config · Play Store & App Store Deployment
Payments	Stripe · Apple Pay · Google Pay · RBAC · Secure Payment Integration
Leadership	Team Management (3–6 Engineers) · Sprint Planning · Product Lifecycle · Agile/Scrum · Code Review

EDUCATION

BS Computer Science (Software Engineering) · FUUAST Islamabad · 2016 – 2020

LANGUAGES

English — Professional Proficiency **Urdu** — Native