

Hammad Parveez

Software Engineer

Turkey, remote | hammadpervez14@gmail.com | +60 13 593 0071
devhammad.com | linkedin.com/in/hammadparveez | github.com/hammadparveez

SUMMARY

Software engineer with over five years building and owning production systems end to end. Most recently core engineer on a consumer travel platform, where I worked across the Flutter app, the TypeScript serverless backend, the video and content pipelines behind the media, the release automation that shipped it, and the AI coding-agent workflow the whole company now uses. I am most useful where a problem crosses layers and somebody has to hold the whole thing in their head.

SKILLS

Languages: Dart, TypeScript, JavaScript, Python, Kotlin

Cloud and backend: Firebase (Cloud Functions, Firestore, Auth, Hosting), Google Cloud (Cloud Run, Cloud Build, Cloud Tasks), AWS S3 and CloudFront, Node.js, REST, OpenAPI

AI and LLM: Claude Code and agent workflows, Anthropic, OpenAI and Gemini APIs, structured outputs, MCP servers, LLM evaluation, on-device inference (Whisper via sherpa-onnx, Kokoro TTS on CPU)

Mobile: Flutter (iOS, Android, Web), BLoC, Riverpod, Clean Architecture, MVVM, push notifications, deep linking, offline storage (Hive), RevenueCat, Crashlytics, HLS video playback, App Store and Play Store releases

DevOps and web: GitHub Actions with self-hosted runners, Codemagic, CircleCI, release automation, Next.js, React, Playwright, unit and integration testing

Data and tooling: BigQuery, RudderStack and Mixpanel event pipelines, Airtable and third-party API integration, web scraping, Chrome extensions

EXPERIENCE

10XU Limited (formerly WithU Holdings Limited), London, UK

Software Engineer, Remote | Apr 2024 to Aug 2026

- Core engineer on a consumer travel-wellness platform: the Flutter iOS and Android app, a TypeScript serverless backend spanning 33 API domains, and four production web applications. 924 of 948 pull requests merged over 28 months, with commits across 24 repositories.
- Built and owned the company's AI coding-agent pipeline: a reusable cross-repository GitHub Actions dispatcher that turns an issue mention into a branch, commits, tests and a pull request for human review. Hardened it with GitHub App authentication and defensive token handling. Adopted across every company repository.
- Designed the redemption-code platform. Code uniqueness is guaranteed by construction rather than by collision retries, using FF1 format-preserving encryption, which is a bijection over the code space; verified against a one-million-code benchmark before rollout. Shipped with a profanity pre-screen at mint time, a redemption ledger, eleven admin endpoints covering paginated and batch reads, mutations and CSV export, and deep-link entry via Branch.io.
- Built the flight and jet lag engine, the platform's largest work area at 119 pull requests: provider webhooks with automatic failover, IANA timezone and daylight-saving correct scheduling, deterministic day-by-day plans, and deduplicated push notifications.
- Built the video delivery pipeline: ffmpeg HLS and MP4 transcoding, cross-account S3 media migration in parallel batches, CloudFront signed URLs, and an in-app HLS pre-cache layer that made story-style video transitions start instantly instead of buffering.
- Built the content pipeline moving workout and wellness content from Airtable through Firestore to S3 across development, staging and production, wrapped in a single CLI so non-engineers could run a release.
- Owned iOS and Android release automation on self-hosted Mac runners: code signing, store uploads, test gating, deploy notifications, and crash symbolication alerting into Slack. Separately ported the internal deal-admin tool from Flutter Web to Next.js and took it to production in eight days.

Bayt (Talentera), Dubai, UAE

Senior Flutter Developer, Remote | Jan 2023 to Apr 2024

- Delivered REST API integrations end to end, with offline caching (Hive, SharedPreferences), state management and unit tests, in a production recruitment app used by employers across the Gulf.
- Built CI pipelines on Codemagic and CircleCI automating build, test and release for Android and iOS, with custom flavours for several environments and teams.
- Cut latency in the app's critical user flows, and refactored the codebase toward MVVM so further change was safe to make.

ShiftCTRL, New York, USA

Senior Flutter Developer, Remote and part-time | Feb 2022 to Jan 2023

- Took the product to release on the App Store, Play Store and Huawei AppGallery, and set up the build and release pipelines behind it.
- Built the app's REST integrations and offline storage (Hive, GetStorage, SharedPreferences), plus Firebase Cloud Messaging and local notifications.
- Extended third-party libraries in Kotlin and Java where the product needed behaviour they did not support, and led debugging and code review for the team.

Eusopht, Karachi, Pakistan

Flutter Developer | Jan 2022 to Aug 2022

- Delivered client apps through the full lifecycle from design to store deployment, and mentored junior developers.

Digital Graphiks, Karachi, Pakistan

Flutter Developer, Intern | Jan 2021 to May 2021

- Integrated WordPress REST, Shopify Storefront and GraphQL APIs into Flutter apps.

PROJECTS

- **English With Aliyah** (Flutter, Next.js, Python). Language-learning app built solo end to end, with two offline ML pipelines: Kokoro text-to-speech on CPU generates every lesson's audio, and on-device speech recognition (Whisper tiny.en via sherpa-onnx) scores the learner speaking, with no network and no per-use API cost. Data-driven Flutter app localised in three languages, a Next.js content CMS, 122 test files, CI on GitHub Actions.
- **Pub.dev MCP Server** (Python, npm). Model Context Protocol server giving AI assistants package search and documentation for pub.dev. Published on npm with a hosted HTTP API, so any MCP-capable agent can use it with one configuration entry.
- **architecture_cli** (Dart, pub.dev). Published CLI that scaffolds Flutter projects in eight architecture patterns and writes per-folder guideline documentation so teams start consistent.
- **LLM Model Compare** (TypeScript, LangGraph, Playwright). Harness that runs one prompt against GPT, Claude, Gemini and Llama side by side with latency benchmarks and end-to-end tests. API keys stay session-only in the browser.

EDUCATION

BSc Computer Science, Emaan Institute of Management and Sciences, Karachi. Jan 2021 to Jan 2025, degree conferred Nov 2025. Completed entirely while working full time as a software engineer.