# Mohammad Rijwan Khan

**Senior Flutter Developer & Mobile Architect| iOS · Android · Web| ✨ AI-Assisted Development**

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## Summary

Senior Flutter Developer & Mobile Architect with nearly 7 years of engineering experience delivering high-scale applications. Architected and published Backgammon Galaxy (an online multiplayer gaming platform with 100,000+ downloads and 4.2★ rating on Google Play) using real-time WebSockets, XMPP, and mathematical board analysis. Engineered a modular, white-label Flutter architecture delivering 14 production apps from a single reusable core package (including TopAll AI Prep with 10,000+ downloads) with 40% faster startup via Isar DB local caching. Experienced squad lead (managed 4 developers), proficient in locked 60 FPS performance profiling, Clean Architecture, and (Claude, Cursor, Antigravity). Former Indian Army Veteran (2015–2019) with a battle-tested foundation of disciplined leadership, operational integrity, and high-accountability execution.

### 60.0 FPS Locked Performance

DevTools GPU/Raster thread profiling, RepaintBoundary caching, and offloading heavy 5MB+ JSON to background `compute()` isolates. Zero dropped frames under intense UI animations.

### Clean Architecture & Scale

Decoupled Presentation, Domain, and Data layers with Riverpod & BLoC. Delivered 14 white-label production apps from 1 unified core package, cutting maintenance by 60%.

### AI-Native Engineering Speed

Leverages Claude, Cursor, and Antigravity with structured context prompting for rapid refactoring, exhaustive unit test synthesis, and sub-120ms on-device Gemini Nano integrations.

### Military Veteran Discipline

Indian Army Veteran (2015–2019) delivering uncompromised work ethic, financial audit accuracy, code reliability, and high-stress problem-solving capability in distributed teams.

IN Indian Army Veteran

## Skills

**Mobile:**
Flutter, Dart

**AI:**

**AI coding agents (Claude, Cursor, Antigravity),** Structured Prompting (features, refactoring, code review, test generation), Gemini API, ML Kit

**Architecture and State:**
Clean Architecture, MVVM, Bloc/Cubit, Riverpod, Provider, GetX

**Backend and Data:**
Firebase, PostgreSQL, Isar DB, SQLite

**Integrations:**
MUX video, Stripe, Google Pay, Apple Pay, In-App Purchases, Bluetooth (BLE), WebSockets

**Tools:**
Git, CI/CD, App Store releases, Google Play releases

## Experience

### Freelance Flutter Developer **Backgammon Galaxy** Remote, Freelance — Oct 2024 – Oct 2026

- Built the Backgammon Galaxy app from scratch in Flutter, with one scalable codebase for iOS, Android and Web: an online platform to play live backgammon, chat and review matches. **100,000+ downloads** on Google Play with a **4.2 rating**.
- Worked with AI coding agents (Claude, Cursor, Antigravity) using structured prompts to build and refactor features, review code and generate tests faster, while keeping the codebase clean and scalable.
- Added Keycloak social login, a custom XMPP chat plugin, a GNU ID / XGID board converter, Match Analysis with blunder detection, Setup and Saved Position, and Social Chat.

### Lead Flutter Developer **VVT Solution Pvt Ltd** Contract — Nov 2023 – Oct 2024

- Built and published 14 iOS and Android apps for coaching institutes and schools (list below).
- Built the TopAll NEET/JEE prep app (Flutter, Firebase) with mock tests, performance charts and automatic question paper creation. Offline storage with Isar DB made startup and loading about 40% faster.
- Led a team of 4 developers (sprint planning, code review, architecture decisions) and looked after the backend (Firebase) for a test-prep platform with 100,000+ users.

### Software Developer **Brainium Information Technologies** — Jun 2022 – Oct 2023

- Built a live video streaming app using the MUX API, with data-saving options for users.
- Added Google Pay, Apple Pay and In-App Purchases, which increased booking conversion by 18%.
- Moved three apps from MVC to Clean Architecture with MVVM and Provider, and turned Figma and Adobe XD designs into reusable Flutter widgets.

### Flutter Developer (Freelance) **Invizzo Cloud Network** — Sep 2021 – Jun 2022

- Built 5 customer apps from scratch and fully owned 2 of them, including Conaxo Business, an e-commerce app using Riverpod for cart and checkout.
- Published releases to the App Store and Google Play.

### Flutter Developer **Shree Sai Information** — Dec 2019 – Aug 2021

- Built MedTack, a medical device and patient management app (patient app plus doctor and manufacturer tablet app) following HIPAA rules.
- Used WebSockets and Firebase Realtime Database for live seat availability in ticket booking apps.

**Assistant Accountant** Indian Army

Feb 2015 – Dec 2019

## Published Apps (all built with Flutter)

14+ live apps built and published to the App Store and Google Play.

Flagship App · 100,000+ Downloads

4.2 Rating

BG

Live multiplayer board game & AI analysis

One scalable codebase for iOS, Android and Web: play live backgammon, chat, and review matches with blunder detection.

iOS Android Web

10,000+ Downloads

TA

Mock tests, charts & auto question paper creation

Offline storage with Isar DB made startup and loading about 40% faster.

iOS Android

VC

Coaching Institute App

iOS Android

YE

Coaching Institute App

iOS Android

25

Coaching Institute App

iOS Android

DU

Coaching Institute App

iOS Android

PEM

School App

iOS Android

SRV

College App

iOS Android

DI

College App

iOS Android

DV

Coaching Institute App

iOS Android

PV

School App

iOS Android

VBC

School App

iOS Android

AA

Coaching Institute App

SPS

School App

iOS Android

iOS Android

School App

iOS Android

## Education and More

### Education

**MCA** Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal — 2011 – 2014

**BCA** Jiwaji University, Gwalior — 2007 – 2010

### Certifications

Flutter Developer Certification (TestDome)

Verification Link →

Sun Certified Java Programmer (SCJP)

### Languages

English (Fluent), Hindi (Native), Urdu (Native)