

AJAY KUMAR GUPTA

Cross-Platform Mobile Application Developer | Kotlin Multiplatform | AI-Powered Applications

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🌐 Portfolio: ajay-gupta-portfolio.onrender.com

PROFESSIONAL SUMMARY

Cross-Platform Mobile Application Developer with 4 years of experience (1.4 years industry + 2.6 years self-driven), specializing in Kotlin Multiplatform (KMP), Compose Multiplatform (CMP), and AI-integrated solutions. Proven expertise in building scalable cross-platform applications with shared business logic and native UI. Strong full-stack capabilities across mobile frontend (Android/iOS) and backend systems (FastAPI), with a focus on clean architecture, performance optimization, and production stability.

PROFESSIONAL EXPERIENCE

Mobile Application Developer (KMP / Android / iOS)

Gateway Group of Companies | Oct 2024 – Present

Production Healthcare Mobile Application

Gateway Group of Companies | May 2025 – Present

Key Achievements:

- Owned and stabilized a **live production healthcare application** used by real users
- Migrated the **entire application to updated dependencies**, improving maintainability and security
- Resolved **critical production crashes**, significantly improving stability
- Ensured **Android 16KB page-size compatibility** for modern devices
- Delivered **100+ production tasks** across multiple releases
- Worked with **Kotlin Multiplatform architecture**, sharing business logic across Android and iOS
- Collaborated with cross-functional teams to ensure stable, on-time releases

Tech Stack: Kotlin Multiplatform, Android, iOS, GraphQL, REST APIs, Clean Architecture

Internal Cross-Platform Social Networking Application

Gateway Group of Companies | Oct 2024 – May 2025 | Internship

Key Achievements:

- Built a **complete Kotlin Multiplatform application from scratch**
- Designed **shared domain and data layers**, reducing code duplication by ~60%
- Contributed to **architecture and modularization decisions**
- Established scalable **code consistency standards**
- Delivered a **stable internal product** meeting all milestones

Tech Stack: Kotlin Multiplatform, Android, Shared Business Logic, Clean Architecture, Multi-Module Design

SELF-INITIATED PROJECTS

AI Resume Builder | Dec 2025 – Present

 [Play Store](#) (Currently in closed testing, public release scheduled for 15 February 2026)

AI-powered, ATS-friendly resume builder designed to help users create professional resumes and prepare for interviews using modern AI systems.

Key Achievements:

Full-Stack Ownership:

- Built a **complete AI-powered application** from scratch (mobile + backend)
- Published the app to **Google Play (internal testing)**
- Architected an end-to-end AI-integrated system with mobile-first UX

Frontend (Compose Multiplatform):

- Developed **shared UI and business logic** for Android and iOS using CMP
- Architected a **multi-module project** to improve scalability and maintainability
- Implemented **Jetpack Compose UI** with focus on UX and accessibility
- Integrated **Firebase authentication** (Email & Google Sign-In)
- Applied **custom Gradle optimizations** to improve build performance
- Implemented **Ktor networking** with robust error handling
- Designed **dependency injection** for testability

Backend (FastAPI):

- Developed a **scalable backend** for AI-driven resume generation and analysis
- Designed **RESTful APIs** for ATS analysis and job-description-based recommendations
- Implemented **secure authentication** (email/password and social login)
- Added **rate limiting, CAPTCHA, and IP throttling** for abuse prevention
- Built a **clean, modular backend architecture** following SOLID principles

Tech Stack:

Frontend: Compose Multiplatform, Kotlin, Jetpack Compose, Firebase, Ktor, Dependency Injection, Multi-Module Architecture

Backend: FastAPI, Python, REST APIs, Authentication, AI Integration

Bouncy Clock – Pomodoro Timer App | Mid 2024 – Late 2024

 [Play Store](#) |  50+ Downloads

Productivity application built and launched independently, from ideation to Play Store release.

Key Achievements:

- Built and launched a **native Android application** independently
- Achieved **50+ organic downloads** without paid promotion
- Implemented **multi-module architecture** for scalability
- Developed a **Pomodoro timer** with graphical analysis of productivity records
- Designed a **modern Jetpack Compose UI** with intuitive UX
- Optimized **Gradle build performance**, reducing build times by ~30%

Tech Stack: *Android, Kotlin, Jetpack Compose, Firebase, Koin, Room Database, Multi-Module Architecture*

TECHNICAL SKILLS

Mobile Development:

Kotlin Multiplatform (KMP) • Compose Multiplatform (CMP) • Native Android • Jetpack Compose • iOS Development • SwiftUI • Cross-Platform Architecture

Backend & APIs:

FastAPI (Python) • REST APIs • GraphQL • Authentication Systems • Scalable Backend Architecture

Architecture & Design:

Clean Architecture • Multi-Module Design • SOLID Principles • Dependency Injection • Design Patterns • Performance Optimization

Tools & Technologies:

Android Studio • Xcode • Docker • Firebase • PostgreSQL • Git/GitHub • CI/CD • Postman • Neon

AI & Innovation:

AI Integration • AI-Powered Product Development • Intelligent User Experiences

Languages:

Kotlin (Expert) • Python (Expert) • HTML (Intermediate) • CSS (Basic)

Spoken Languages:

English (Fluent) • Hindi (Fluent) • Gujarati (Fluent)

CERTIFICATIONS

The Complete Android 14 & Kotlin Development Masterclass

Udemy | March 29, 2024

 [Certificate](#)

EDUCATION

Ganpat University

Bachelor of Technology – Computer Science & Business Systems

CGPA: 7.23

Client and internal project names have been anonymized to respect confidentiality and contractual obligations.