

AKASH KUMAR

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PROFESSIONAL SUMMARY

Senior Android Engineer with **8+ years** of experience designing and scaling high-performance mobile platforms serving millions of users. Deep expertise in **Kotlin, Jetpack Compose, and modern Android architecture (MVVM, Clean, modularization)**. Proven track record of defining technical direction, driving performance improvements, and mentoring engineers while collaborating cross-functionally to deliver reliable, scalable products.

SKILLS

- Mobile Development: Kotlin, Java, Jetpack Compose, Kotlin Coroutines, Kotlin Flow, RxJava, Dart, Flutter, Android SDK, Room, WorkManager, Navigation, Material Design, SQL, PHP, JS
- Architecture & Quality: MVVM, Clean Architecture, Dependency Injection (Dagger/Hilt), Unit Testing, Integration Testing, E2E Testing (Maestro), Performance optimization, app startup, memory & ANR reduction, Offline-first architecture
- Platform & Tooling: CI/CD (Jenkins, GitHub Actions), Firebase, AWS, Git, App & Play Store releases, OTA update (Shorebird)

EXPERIENCE

Senior Android Engineer

Shiprocket

Gurugram, India 06/2019 - Present

- **Owned end-to-end development** of multiple Android apps with **millions of active users**, from architecture to Play Store release and monitoring.
- Improved **cold start time by ~70%** by refactoring app initialization, optimizing dependency injection, and reducing synchronous work on the main thread.
- Led migration initiatives including **Native → Flutter**, enabling faster feature delivery while maintaining performance parity.
- Designed scalable **offline-first architecture** using Room and local caching, reducing API dependency and improving reliability in low-network conditions.
- Built and maintained **CI/CD pipelines** for automated builds, testing, and internal distribution.
- Led development of an **international app** with RTL/LTR, multilingual support, and region-specific UX for the Middle East.
- Actively mentored engineers via **code reviews, architectural discussions, and performance debugging**.

Lead Software Developer

Klickininvite

Delhi, India

06/2018 - 06/2019

- Led development of the Klickininvite Android app, increasing feature utilization by **30%** through dynamic theming and **multilingual support**.
- Improved UX & performance by implementing **lazy loading**, optimizing SQL queries & reducing API response times by **~40%**.
- Designed a **high-performance contact syncing system** (1000+ contacts under **5 seconds**) while implementing **secure data storage**, minimized sensitive data persistence, and best practices for **permissions, encryption, and secure networking**.

Software Developer

Bulwark Software Research

Greater Noida, India

01/2018 - 06/2018

- Designed and developed RESTful APIs in PHP (MVC architecture) with MySQL, focusing on scalability, input validation, and secure data handling practices.
- Collaborated with frontend and mobile teams to define API contracts, optimize query performance, and ensure reliable end-to-end system behavior.

EDUCATION

Bachelor of Technology

Abdul Kalam Technical University

UP, INDIA

2014 - 2018

- Major in *Computer Science and Engineering*

PROJECT

- [Covid19 Tracker](#)(Tracks nearby covid cases in India): Built a production-grade Android app using Kotlin, Coroutines, ViewModel, and WorkManager, Designed background data sync and notification pipelines with strict battery and lifecycle constraints, Visualized large datasets using MPAndroidChart with focus on performance and accessibility.