

## SKILLS SUMMARY

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- **Android Skills** Jetpack Compose, MVVM, MVI, Clean Architecture, Coroutines, Flows, Channels, Room, WorkManager, Dagger2, Hilt, Paging3, MockK, Ktor-client, Junit, Turbine, Baseline Profiles, Macrobenchmarks, App Startup Library
- **Languages and tools** Kotlin, Java, XML, C++, JavaScript, HTML, CSS, Flutter, Node JS, Ktor, Android Studio, VSCode, Jira, BitBucket, Git, IntelliJ, Postman, Pluto, Charles

## EXPERIENCE

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- **InMobi** Bangalore, India  
*Software Development Engineer - II (Android)* *October 2023 - Present*
  - **Enhanced** user experience and functionality of the **1Weather app**, improving performance and usability for millions of users.
  - Optimized first frame rendering to achieve a **57% reduction in warm start** and a **43% reduction in cold start time**, dramatically boosting app performance.
  - Integrated **Jetpack Compose** into an **XML-only codebase** for seamless interoperability and developed an end to end feature in it.
  - Responsible for **managing tech debt in the Android app**, conducting hygiene checks every 3-6 months to upgrade libraries, ensure compliance, and adapt to new OS versions.
  - Integrated **baseline** and **startup profiles**, **reducing app startup time by 5%**.
  - **Proposed** and implemented **Firebase Performance Monitoring** with multiple **custom traces** to enhance app **observability** and improve performance tracking.
  - **Migrated** an end-to-end app from **Android 13 to Android 14**, and from **Android 14 to Android 15**, ensuring compatibility and leveraging new platform features.
  - Developed a custom solution for dynamically adding/removing ads in binge-view content using the **Paging3 library**, **extending its functionality beyond standard support**.
  - Serving as the **metric owner for app performance** monitoring, overseeing performance metrics for the app.
  - Revamped the whole home page of the app as per the latest design, **integrating collapsing toolbar in the app**.
- **ShareChat** Bangalore, India  
*Software Development Engineer (Android)* *Feb 2022 - September 2023*
  - Contributed to the Moj livestream team serving **over 160 million monthly active users**.
  - Followed Agile methodology and worked extensively on **Kotlin and Jetpack Compose with Clean Architecture** and **MVI** architecture.
  - Independently implemented pivotal features for the **Moj Live Gamification Pod**, leading to increased user engagement.
  - **Integrated the Co-host preview feature** for an enhanced live experience for creators.
  - Developed a **versatile generic animation framework**, reducing substantial development time in subsequent releases.
  - **Elevated testing coverage** from **10% to 90%** by writing unit tests and UI tests, ensuring code reliability.
  - **Facilitated Android interviews**, provided mentorship, and contributed to the onboarding process.
  - **Executed migration from MQTT to SSE**, resulting in substantial cost reductions for a live feature.
- **Mutual Mobile** Hyderabad, India  
*Associate Software Engineer (Android)* *June 2021 - Jan 2022*
  - **Developed application architecture** using the MVVM pattern with Clean Architecture principles.
  - **Created a comprehensive travel, health, and wellness Android app** from scratch.
  - **Integrated a subscription flow** using Stripe's Android SDK and APIs.

## PROJECTS

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- **Instagram Clone** An Instagram Clone app based on Clean architecture designed in Kotlin.
- **Ktor APIs** Designed and developed the Ktor-API project to showcase advanced features of the Kotlin Ktor framework for building robust REST APIs.
- **Cookpad Clone** Android clone of the Cookpad app, made in Kotlin following the MVVM and Clean Architecture.
- **GithubKT** A pure Kotlin application utilizing Jetpack libraries and Compose for UI, Ktor-Client for networking, and Coil for image loading.

## EDUCATION

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- **GGDSD College** Chandigarh, India  
(*Affiliated with Panjab University; Bachelor of Computer Applications*); *Percentage: 77%* *June 2018 - June 2021*

## PUBLICATIONS

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- Internal Implementation of ViewModel
- Cleaner Previews with PreviewParameters
- Ktor-Client Decoded!! What, Why, How and When?
- Unidirectional Server-Client Communication using SSE in Android