



# ASHWANI KUMAR SINGH

ANDROID TECH LEAD / KMP DEVELOPER

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📍 Bangalore

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An autodidact programmer, with a zeal to learn and tinker around with mobile technology.

Adept at leading teams, collaborating with clients, and driving projects from concept to completion.

## SKILLS

- Kotlin Multiplatform Development (Android, iOS and Web)
- Android Native App Development
- SOLID principles and display pattern for Presentation layer(eg- MVVM-MVI)
- JetPack Libs & ComposeUI
- DI (KOIN, HILT)
- Expect/Actual, Ktor, Coroutine, Flow
- Log back stack tracking
- Debugging, Memory Profiler, Performance bottlenecks, and Adb-tools
- Firebase Full Integration
- Client handling & support
- Google DFP & IMA Ads
- GraphQL integration & Webpack configuration
- Project Management Tools
- Team Managing, Problem solving
- Wireframe creation (Diagrams, Miro)
- GoLang Microservices (GIN)
- UnitTest cases writing
- Reactive Programming
- AI Tools & Prompt Engineering

## LANGUAGES

- Kotlin
- GoLang
- C++
- Java
- Swift
- Dart

## AWARDS AND ACHIEVEMENTS

- Pat On The Back Award in Tech Mahindra
- Employee of the year in Ninestars Technologies in **2016**.

## Education

**Bachelor in CS** - July 2005 to Jun 2009  
APS University, Rewa, M.P.

**10+2 (PCM)** - July 2003 to May 2004  
Saraswati Shishu Vidya Mandir, M.P. Board

**10th (All)** - July 2001 to May 2002  
Saraswati Shishu Vidya Mandir, M.P. Board

# **EXPERIENCE**

## **TECH MAHINDRA**

### **Tech Lead, May-2024 to Present**

- Log back stack tracking, Debugging,
- Android Native, JNI code implementation.
- Performance and Memory handling.
- NR & LTE network communications and monitoring.
- Inter-Process communication and process implementation.
- Responsible for code architecture, correct coding practices, Code Reviewing.
- Responsible for feature delivery on Mobile. Prepare task scoping and breakdown from product stories to ensure code quality and reusability.
- I have mostly been involved in development and working with the development team.
- Designed and Implemented Server driven template based custom UIs.
- Working on App Code Architecture and Performance with quality.
- Client interaction.
- Understanding and accumulating requirements, Making Flow Diagram, Providing Task breakup and estimation, distributing tasks

## **NINESTARS INFORMATION TECHNOLOGIES PVT LTD**

### **Lead android developer, Aug-2015 to May-2024**

- Responsible for code architecture, correct coding practices, Code Reviewing.
- Responsible for feature delivery on Mobile. Prepare task scoping and breakdown from product stories to ensure code quality and reusability.
- I have mostly been involved in development and working with the development team.
- Designed and Implemented Server driven template based custom UIs.
- Worked on App Code Architecture and Performance with quality.
- Worked on Database, Scheduled syncing.
- Worked on GraphQL APIs implementation.
- Handling and Managing Team.
- Client interaction and handling.
- Understanding and accumulating requirements, Making Flow Diagram, Providing Task breakup and estimation, distributing tasks
- Take ownership of end-to-end product quality, from developing to maintaining core app frameworks that help make the apps more reliable and delightful.

## **GLOBAL LOGIC INDIA LTD**     **Senior software developer, Mar-2014 to Aug-2015**

- Android App Programmer
- Delivering and launching the product or feature successfully.
- Create prototypes of new ideas and explore new technologies at the forefront of mobile technology
- Worked on custom UIs & designs
- Database and APIs Integration
- Background Jobs, Alarm Manager, Background data syncing Implementation
- Worked on MVM Design Pattern using RxJava

## **A1 TECHNOLOGIES     Software Engineer, Dec-2011 to Feb-2014**

- Creating layouts and designs
- database and API integration
- Multi listview with Loader data provider
- Implemented Content Providers,
- Worked on Services and Global & Local BroadcastReceivers to load data in background and update on UIs.
- Social Login Implementation

## **RED ORANGE TECHNOLOGIES.     Junior Software engineer, May-2011 to Dec-2011**

- Understood Android Mobile app lifecycle
- Performed REST API requests for uploading, downloading files.
- Layout & UI Creation
- Creating layouts and designs
- Database and API integration
- Third party libs integration

## **LIMITEX TECHNOLOGIES     Trainee/Junior Software developer, Sep-2010 to May-2011**

- Learnt Html, CSS, and Eclipse IDE
- Created basic html templates.
- Moved to Trainee Android Development

# **Project Experience**

## **Keysight Handy**

Keysight Handy is B2B application, Keysight Handy is an advanced Android application designed to monitor and analyze the network and protocol capabilities of mobile device's hardware .

Tailored for network engineers and mobile technology enthusiasts, this app provides real-time insights into mobile network performance on device's hardwares, including signal strength, connection quality, bandwidth utilisation, and more.

### **Target Audience:**

Telecommunications professionals, network testers, and developers seeking an efficient way to evaluate mobile network (UMTS, LTE, NR ) capabilities.

### **Key Features:**

- Real-Time Monitoring: View detailed metrics on mobile network performance.
- Comprehensive Analytics: Analyse signal quality, data throughput, and network compatibility.
- User-Friendly Interface: Intuitive dashboards for easy data interpretation.
- Device Compatibility Testing: Assess how different mobile devices perform across network types.

## KMP Project : Shopify Mobile Apps POC (In development)

- Worked on Voyager Navigator, Actual-Expect, Koin, Ktor, Clean Arch, MVI Design Pattern
- Worked on Material-3, Compose UI.
- Worked on Android, iOS and Web Apps Implementation
- Worked on Third party libraries, resources, localisations
- Worked on GraphQL API integration
- Shopify APIs integration and Store Configuration

## KMP Project : THE HINDU (In development).

- Worked on Voyager Navigator, Actual-Expect, Koin, Ktor, SQLDelight, Clean Arch, MVVM Design Pattern
- Worked on Material-3, Compose, Android-iOS native features implementation
- Worked on Third party libraries, resources, localisations

## THE HINDU: LIVE NEWS UPDATES

[https://play.google.com/store/apps/details?id=com.mobstac.thehindu&hl=en\\_IN](https://play.google.com/store/apps/details?id=com.mobstac.thehindu&hl=en_IN)

## THE HINDU BUSINESS LINE

[https://play.google.com/store/apps/details?id=com.mobstac.thehindubusinessline&hl=en\\_IN](https://play.google.com/store/apps/details?id=com.mobstac.thehindubusinessline&hl=en_IN)

These two apps typically provides access to a wide range of news articles covering national and international news, politics, business, sports, entertainment, technology, and more.

- **Features** : Customisable News Feed   Offline Reading   Multimedia Content   Opinion and Editorial Sections   Search Functionality   Subscription Models   Text To Speech   Metered Paywall   Day/Night Mode   Dynamic UIs based on predefined template   Dynamic Icons and Theme   Bookmark feature   Audio and Video Player   DeepLink & Dynamic Link   Various Analytics   Taboola   DFP ADs
- **Responsibilities** : Take ownership of end-to-end product quality.
  - Client Interaction, Gathering requirement and estimation, Sprint & team handling.
  - App Architecture, Flow Diagram, Database implementation, Performance Solving.
  - Implemented dynamic UI based on predefined template, written server response and structure for UI, Theme, Sync, Icons can be updated any time from server.

## Shorts News

*A Shorts News video app would primarily focus on delivering short-form news content.*

- SOLID Principle, Clean Arch, Koin, ViewModel, MVI Pattern
- These videos could range from a few seconds to a few minutes in length.
- It is similar to youtube's shorts but with more concise to news and features.
- ExoPlayer Implementation, Swipe up-down to change the video
- Implemented Multi/Individual video downloading Job and Video Caching.

[illegible]