ASHWANI KUMAR SINGH

ANDROID TECH LEAD / KMP DEVELOPER

☎ +91-7349629131   ⊗ Bangalore

✉ ashwanisingh8713@gmail.com

Linkdin   Ashwani Kumar Singh

Github   ashwanisingh8713

A self-taught software developer and Tech Lead with a strong passion for modern technology. Skilled in leading teams, collaborating with clients, and delivering high-quality, impactful digital solutions that drive business success.

SKILLS

- Kotlin Multiplatform Development (Android, iOS, Web)
- Android Native App Development
- KobWeb framework for building web applications (Static & FullStack)
- Koog - Kotlin AI Agentic Framework
- Specialized telecom and network performance
- Bluetooth & GooglePlayService NearBy Discovery
- SOLID principles and display pattern for Presentation layer(eg- MVVM-MVI)
- JetPack Libs & ComposeUI
- DI (KOIN, HILT)   • GraphQL
- 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
- Java
- GoLang
- Swift
- Dart
- C++

FRAMEWORKS

- KMP
- MOSQUITO
- GoMobile
- Kobweb
- NO-SQL DB
- GIN
- ORMs
- Wireless Communication

DOMAINS

- NEWS   • E-Commerce   • Utility
- Telecom & Network Performance Domain

AWARDS AND ACHIEVEMETNS

- 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.
- 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 (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.
- Creating layouts and designs

LIMITEX TECHNOLOGIES (Trainee/Junior Software developer, Sep-2010 to May-2011)

- Worked on webapp, Created basic html templates.
- Moved to Trainee Android Development

Selected Project Experience

Nemo Handy – Professional Wireless Network Measurement Tool
https://www.keysight.com/in/en/product/NTH50047B/nemo-handy-handheld-measurement-solution.html

Nemo Handy is an Android-based application for measuring wireless diagnostics, Quality of Service (QoS), and Quality of Experience (QoE) to ensure optimal network performance and user satisfaction.

Key Features:

- Bluetooth & GooglePlayService NearBy Discovery to communicate and transfer data and files between multiple devices.
- Supports 5G NR, LTE/LTE-A, VoLTE, VoWiFi, ViLTE, Carrier Aggregation, and IoT testing.
- User-Friendly Interface: Intuitive dashboards for easy data interpretation.
- Device Compatibility Testing: Assess how different mobile devices perform across network types.
- Supports application-level QoE testing (YouTube, Facebook, WhatsApp, Instagram, etc.)
- Enables instant reporting, navigation, and Network Performance Score (NPS) evaluation.
- Uploading & downloading measurements on Drive, DropBox, Clouds, etc…

Nemo Handy is the world's leading handheld solution for drive tests and in-building network measurements—offering full measurement functionality, excellent visualization, and compatibility with the latest commercial smartphones.

Kobweb_Blog – Full-Stack Technical Blogging Platform   https://github.com/ashwanisingh8713/Kobweb_Blog

Technologies: Kotlin Multiplatform, Kobweb Framework, Compose for Web, Ktor, MongoDB

• Developed a full-stack blogging platform with Kotlin Multiplatform and Kobweb, integrating frontend, backend, and database.

• Built a dynamic blogging platform with category, search, and auth modules.

• Implemented REST APIs and MongoDB integration for seamless data management and content persistence.

Portfolio Website – Personal Branding Site

Technologies: Kotlin Multiplatform, Kobweb Framework, Compose for Web, Ktor, MongoDB

- Designed and deployed a responsive portfolio with contact form integration.

THE HINDU: LIVE NEWS UPDATES: https://play.google.com/store/apps/details?id=com.mobstac.thehindu&h l=en_IN

THE HINDU BUSINESS LINE: https://play.google.com/store/apps/details?id=com.mobstac.thehindubus inessline&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.

KMP Project : Shopify Mobile Apps POC

- 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

Additional Projects: Contributed to 10+ Android, Kotlin Multiplatform, and internal tooling projects.