

MALIK ABDUL HADI

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WORK EXPERIENCE

Front-end Developer

Fassk — Remote (Switzerland)

1st September 2025 – Present

- Developing frontend features using Vue.js, Nuxt, and Tailwind CSS.
- Working on a large-scale project for Nestlé.
- Implementing and customizing various Nuxt components.
- Independently owning and delivering assigned modules within the project.
- Enhancing existing features and adding new functionality.

Junior Android Developer

Mobipixels

1st August 2024 – 31st August 2025

- Developing and maintaining Android applications using Kotlin.
- Optimize UI/UX & performance.
- Collaborating with cross-functional teams to design, develop, and launch new features.
- Providing regular updates on progress and ensuring timely delivery of new features and improvements.
- Continuously learning and integrating new Android features and technologies.

Android Development Intern

Apptrock

3rd July 2023 – 3rd September 2023

- Interned at Apptrock, focusing on Android development.
- Built Kotlin apps with Firebase integration.
- Optimized performance through debugging.
- Gained expertise in mobile development.

EDUCATION

B.S. Computer Science (Cum Laude)

Institute of Space Technology, Islamabad, Pakistan

October 2020 - June 2024

(CGPA: 3.54)

Relevant Coursework: Object Oriented Programming, Artificial Intelligence, Data Structures, Machine Learning, Database Systems, Software Engineering, Application Development, Big Data Analysis.

TECHNICAL SKILLS

Programming Languages: Kotlin, Python, SQL, C++, JavaScript, TypeScript.

Frontend Development: Vue.js, Nuxt.js, Tailwind CSS, component-based UI development, responsive layouts, and performance optimization.

Android Development: Expertise in Kotlin with MVVM architecture, Room Database, Firebase (Real-time Database, Authentication, Messaging), Coroutines, Retrofit, Text-to-Speech, and Custom UI/UX using Material Design and animations.

Frameworks and Libraries: Nuxt components, AG Grid, Android SDK, Google Mobile Vision, TensorFlow Lite, PyTorch, Keras, Scikit-Learn.

Tools: Android Studio, Visual Studio Code, IntelliJ IDEA, Git.

PROJECTS

Dynamic Reporting AG Grid System

- Developed a dynamic AG Grid-based reporting module supporting single reports and report collections through API-driven routing.

- Integrated backend-provided report structures to dynamically configure client-side, server-side, and tree data grid models.
- Implemented advanced grid customization features including column reordering, column editing, row grouping, column visibility, filtering, and column pinning.
- Added persistent report views, allowing users to save customized grid layouts and automatically restore them on future visits.

Spare parts and assets management

- Designed and implemented an end-to-end **ordering system** covering backlog, open orders, and deliveries.
- Integrated backend APIs across modules.
- Built high-performance data tables using **AG Grid**.
- Developed a batch upload feature for spare parts, including XLSX template download, inline preview, row selection, and safe close confirmation.
- Centralized application states using **Pinia** for stocks, stock takes, SMR, invoices, groups, machines, and route optimization.
- Added internationalization (**i18n**) with scalable locale files and translation keys across the UI.
- Established consistent UI/UX using reusable base components, drawers, and layouts following **Nuxt UI** patterns.

Clap To Find Phone Application

- Built a “**Clap to Find**” Android app to help users locate lost phones using sound detection.
- Integrated sound recognition, lighting effects, and screen flash variations for better visibility.
- Added a **premium “Whistle to Find”** feature to enhance functionality.
- Used **Recycler View** to display API-fetched sound items dynamically.
- Designed a modern, responsive **UI with ad integration** to boost user engagement.
- Implemented using **MVVM Clean Architecture** for scalable and maintainable code.
- Utilized **Dependency Injection (Hilt)** to manage component lifecycles efficiently.

Animal Ringtone

- Fetched animal ringtones & wallpapers using Retrofit API.
- Enabled preview & set for ringtones, notifications, alarms, and wallpapers.
- Designed a lightweight, user-friendly UI.

Live Wallpaper Application

- Built a 3D Live Wallpaper app with Retrofit for dynamic wallpapers.
- Integrated Remote Config for ads and added search functionality.
- Supported live, 3D/4D, and static wallpapers with customization.
- Optimized with Expo Player Renderer.

Charging Animation

- Used Broadcast Receiver and Service to detect charging and display animations.
- Integrated Always-On Display for continuous animation effects.
- Fetched dynamic charging animations via API for customization.

Caller Name Announcer Application

- Built an Android app announcing caller names for calls, SMS, and WhatsApp.
- Integrated Text-to-Speech with customizable features.
- Added toggles for announcements, flashlight, and message reading.
- Used Notification Listener, InCallService & Broadcast Receivers.

Notepad Application

- Built a notes app with create, edit, delete, and swipe-to-delete.
- Used Room Database and MVVM architecture.
- Filtered notes by latest and modified time.

Drive Check (A bus monitoring Android Application) (FYP Project)

- Developed an app with Owner and Driver dashboards.
- Owner dashboard shows online drivers; driver dashboard includes speedometer and drowsiness detection.
- Alerts for over-speeding and drowsiness to reduce accidents.
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Dog breed detection Android Application

- Built a Dog Breed Detection app using TensorFlow Lite for fast ML inference.
- Input from camera/gallery; displays detected breed and confidence level.

CERTIFICATIONS

- **Android Development Internship**
App Trick
- **Android Development**
Great Learning
- **Computer Science Internship**
Pakistan Council of Research in Water Resources