

Mukesh Lal Purbiya

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EDUCATION

Bachelor in Computer Application | Glocal University

7.9 CGPA / 2019 - 2022

TECHNICAL SKILLS

Programming Languages: Kotlin, Java.

Frameworks & Libraries: Android SDK, XML, Retrofit, Room Database, nodejs, Payment Gateway, Firebase, Lifecycle, MVVM Architecture, Locale, Storage, push notification, bound service, Foreground service, Intent, Flags, Proguards R8, Hilt/Dagger, Jetpack Compose.

UI/UX Design: XML, Jetpack Compose.

Version Control: Git, GitHub.

OS: Linux, Window

Development & DevOps Tools: Android Studio, Github Actions, CI/CD Pipeline.

Soft Skills: Highly flexible with a proven ability to quickly learn and apply new concepts and technologies.

WORK EXPERIENCES

Android Application Developer | Soshell Digital

1/2025 - Present

- Served as Android Developer, taking full ownership of Android application development from planning to deployment.
- Developed and maintained multiple Android applications from scratch, improving app performance and user experience.
- Implemented a bound + foreground service architecture to ensure continuous app running even when the app is closed, with real-time interaction between the UI and service.
- Took initiative to deeply learn and implement Android's complex storage systems, including scoped storage, media access permissions, and large file handling.
- Built functionality to download and play large video files smoothly using ExoPlayer, scoped storage, and DownloadManager, enabling offline playback.
- Managed in-app data storage and caching using Room Database and SharedPreferences.
- Used Git for version control and participated in regular code reviews to maintain code quality.
- Applied MVVM architecture with LiveData, StateFlow and ViewModel to build scalable and maintainable codebases.
- Optimize mobile applications for maximum performance, scalability, and security.
- Built a multilingual Android application supporting English, Hindi, and regional languages using Android's localization framework and resource qualifiers.
- Integrated RESTful APIs and handled JSON data to ensure seamless communication between frontend and backend.
- Integrated payment gateway using Kotlin and MVVM, enabling real-time transaction processing with secure API communication.

Robotic Software Engineer | Orangewood Labs

12/2022 - 5/2024

- Developed and tested software for robots, applying control algorithms (e.g., PID) to manage speed, velocity, and precise movements. Deploy control code for task-specific robotic movements (e.g., object picking and placement) using real-time motor coordination and sensor input
- Calibrated actuators and resolved hardware-software alignment issues in collaboration with hardware teams to ensure optimal robotic performance.
- Participated in meetings with international clients to demonstrate robotic capabilities, discuss system design, and gather technical feedback.