

# BINOD BASNET

Kathmandu, Nepal

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## EDUCATION

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### Texas International College

Mitrapark, Kathmandu

*Bachelor of Computer Science and Information Technology (Affiliated to Tribhuvan University)*   Aug 2017 – Jun 2021

## TECHNICAL SKILLS

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**Languages:** Java, Kotlin, C, C++

**Frameworks & Technologies:** Jetpack Compose, Hilt, Retrofit, Room, Firebase, JNI , OpenGL

**Developer Tools:** Android Studio, Git, GitLab, Jenkins, Fastlane

**Libraries:** Coroutines, LiveData, StateFlow, Glide, Gson, Dagger 2

**Other Tools:** Figma, Postman (for API testing), Jira (for task management)

**Testing Tools:** Swagger (for API testing)

## EXPERIENCE

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### Android Engineer

Aug 2024 - Present

*F1Soft International*

*Sanepa, Lalitpur*

- Developed a remittance app using Kotlin and Jetpack Compose
- Built a custom Image Picker component using C and C++ for efficient native image handling.
- Implemented CI/CD using Fastlane for automated builds and deployments
- Managed tasks and workflows with Azure DevOps
- Used GitLab for version control and collaborative development
- Conducted unit testing to ensure code quality and maintainability
- Worked under strict deadlines with effective time management
- Strongly followed Agile methodologies for project planning and status tracking

### Android Engineer

Jul 2021 - Aug 2024

*InfoDevelopers*

*Sanepa, Lalitpur*

- Migrated codebase from Java to Kotlin for improved performance and maintainability
- Worked on multiple projects, ensuring high-quality code and timely delivery
- Collaborated with cross-functional teams
- Developed a mobile banking app using Kotlin
- Implemented CI/CD using Jenkins for automated builds and deployments
- Mentored junior developers, providing guidance on best practices and code quality
- Actively participated in Agile methodologies, facilitating collaboration between development and testing teams, leading to faster delivery of high-quality software
- Demonstrated excellent problem-solving skills, tackling complex challenges efficiently
- Fixed problems that arise on different mobile devices with varying operating systems
- Developed and integrated audio and video call features into mobile applications
- Worked on optimizing video/audio call performance, including real-time data transmission and synchronization.

## PROJECTS

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**Aqua World App** | *Kotlin, XML, Hilt, Room Database, Retrofit, Firebase, Coroutines*

Aquaworld water app is an online ordering application which provides a wide range of product related to water supply.

### Contributions:

- Enhanced features and maintained the Aqua World App, which is published on the Google Play Store.
- Developed core functionalities using Kotlin, XML for UI design, integrated Hilt for dependency injection, and Room Database for offline data storage.

- Integrated Retrofit for efficient network communication and Firebase for user authentication and real-time analytics tracking.
- Implemented background processing and asynchronous tasks using Kotlin Coroutines to ensure smooth user experiences.

**Bihebari** | *Kotlin, Navigation Component, Git, Hilt, Firebase, WebRTC*

Bihebari is an online Nepalese matchmaking platform that helps people find their ideal life partner.

**Contributions:**

- Developed the Bihebari app using Kotlin, integrated Navigation Component for seamless navigation, and Firebase for user authentication and analytics.
- Implemented WebRTC for real-time video and audio calls, enabling users to connect face-to-face or through voice calls.
- Integrated Hilt for dependency injection to improve the maintainability and scalability of the codebase.
- Collaborated with cross-functional teams to deliver a high-quality user experience.

**mDabali** | *Kotlin, Java, Jetpack Compose, Navigation Component, Git, Hilt, Jenkins*

mDabali is an advanced banking platform, offering convenient and secured access to banking services via mobile devices. This innovative platform seamlessly integrates online and offline payment services into a single platform, eliminating the need for physical branch visits.

**Contributions:**

- Developed the mDabali app for microfinance, supporting multiple variants and seamless money transfers.
- Migrated the codebase from Java to Kotlin, improving performance and maintainability.
- Implemented Material Design 3 to create a modern and consistent user interface.
- Managed tasks and project progress using Jira to ensure efficient task management and team collaboration.

**Nimbuzz** | *Kotlin, Jetpack Compose, Navigation Component, Hilt, Firebase, WebRTC, ExoPlayer, Git*

A comprehensive digital lifestyle platform offering secure chat and video calls, social networking, streaming of movies and live events, online shopping, and encrypted payment services. Users can share content, enjoy entertainment, and access various services all in one place.

**Contributions:**

- Worked on the development of the app, contributing to new features and resolving bugs to enhance app functionality.
- Implemented audio/video call features using WebRTC for real-time communication and ExoPlayer for live streaming.
- Used Jetpack Compose for building intuitive UIs and implemented Navigation Component for smooth app navigation.
- Collaborated with cross-functional teams (both local and international) to improve the overall user experience.

**FoneMoney** | *Kotlin, Jetpack Compose, Navigation Component, Git, Hilt, Firebase, C, C++*

A secure and user-friendly remittance app designed to facilitate fast, reliable, and international money transfers.

**Contributions:**

- Developed the FoneMoney app using Kotlin, with Jetpack Compose for UI and Navigation Component for seamless navigation.
- Integrated Hilt for dependency injection and Firebase for user authentication and analytics.
- Collaborated with both international and local cross-functional teams to deliver a high-quality user experience.