

Shirish Koirala

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SUMMARY

Passionate Native Mobile Application Developer with over 2 years of industry experience. Skilled in building clean and scalable MVVM architectures, utilizing dagger/hilt, and designing aesthetically appealing and high-performance UI components with XML and Compose, all while following agile methodologies. Collaborative team player with outstanding communication skills, has successfully created and maintained CI/CD pipelines, streamlining development workflows. Proficient in writing comprehensive unit tests and UI tests, contributing to effective test automation. With an unwavering dedication to continuous improvement and innovation, poised to make significant contributions to any dynamic and forward-thinking organization.

WORK EXPERIENCES

Junior Mobile Application Developer Talk 5 Pty. Ltd.

09/2022 - Present, Sydney, Australia

- Setup the initial CI/CD pipeline for a team of 5 developers and testers using Azure Pipeline, Git and Fastlane including writing a suite of 100+ automated tests. This was done to streamline the workflow and improve the efficiency of the development process and maintain the quality of apps.
- The old architecture was redesigned into a Model-View-ViewModel (MVVM) architecture using LiveData, Dagger Hilt, Flow, and Coroutines. This improved the architecture's flexibility, scalability, and testability.
- Implemented different staging environments (QA, UAT) in existing applications to test them in various environments before releasing them to production. This was done to improve the quality of the applications and to reduce the risk of errors being introduced into production.
- Introduced unit testing and UI testing using JUnit and Espresso. This helped to automate the testing process, allowing testers to focus on testing features without worrying about other features.

Junior Android Application Developer Tech Alias Solution Pte. Ltd.

09/2018 - 12/2019, Kathmandu, Nepal

- Worked on several Android Applications, including a food delivery app and a ride-sharing app. Developed and maintained the applications using Java. Implemented features such as user registration, login, and authentication. Optimized the applications for performance and scalability. Handled user feedback and bug reports.
- Utilized Firebase Realtime Database for seamless user interactions, efficient ride management, and real-time driver tracking. Users can sign up and request rides, while drivers can accept requests and have their locations updated dynamically. This ensured a smooth experience, with Firebase's robust and scalable architecture ensuring reliable data synchronization throughout the process.
- Implemented Google Maps SDK to display pickup and destination locations by retrieving ride request data from the database using Firebase listeners. Real-time tracking of ride requests was achieved through continuous updates to the map, offering a smooth and interactive experience for both users and drivers.

SKILLS

Programming Languages: Java, Kotlin, Swift, XML, Python, SQL

Platforms and Technologies: XML, Hilt, Dagger, Compose, Firebase, Azure DevOps, Retrofit, SQLite, Realm, JSON, Android Studio, Espresso, JUnit, Material, Kotlin Coroutines, Kotlin Flow, SwiftUI, Swagger, Postman, Fastlane, XCode, Cocopods, Git

PROJECTS

Lifetime Goals (Bucket List App)

<https://goo.gl/zr8Qcy> (2017)

Lifetime Goals is a mobile application for Android devices that is available for download on the Google Play Store. As of this writing, it has been downloaded over 50,000 times and has over 2,000 active users.

Fontawesome Android Library

<https://github.com/shirishkoirala/FontAwesome> (2023)

Fontawesome is an Android library that is published in the Maven Repository. It provides a simple and convenient way to use Font Awesome icons in your Android projects.

EDUCATION

Software Engineering, Master Of Technology (M. Tech.) Federation University, Australia

03/2020–11/2021, Australia

Relevant Coursework: Software Engineering: Analysis and Design, Software Testing, Foundations of Programming, Software Engineering Methodologies

Project: Food Ordering & Delivering Portal & App (Flutter, Dart, Kotlin, Swift, Java)

Computer Science And Information Technology, Bachelor Of Science (B.Sc.)

09/2013–05/2018, Nepal

Tribhuvan University

Relevant Coursework: Object Oriented Programming, Data Structure and Algorithm, Database Management System, Software Engineering, Advanced Java Programming, Design and Analysis of Algorithm, Net Centric Computing

Project: English to Nepali Transliteration with Spell Checker (Django, Python)

<https://github.com/shirishkoirala/English-to-Nepali-Transliterator-with-Spell-Checker>

Programming Languages Learned: C, C++, Java, C#

LANGUAGES

English, Nepali, Hindi

REFERENCES

Available on request.