KHUN AUNG

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Mobile Android Software Engineer

Skilled Android Developer with 5 years of hands-on experience in designing, developing, maintaining, and deploying mobile applications for financial sectors using Java and Kotlin. Skilled in requirements gathering, defining project scope, and collaborating with cross-functional teams and clients using Agile/Scrum methodologies to deliver robust, scalable, and innovative solutions.

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment, Willing to relocate).*

SKILLS AND INTERESTS

OOP · SDLC · SOLID · Android Architecture Components · Android SDK · Android Jetpack · Android Architecture Pattern
Google Play Store · Clean Architecture · UI Design · Unit Testing · Efficiency Improvements · Team Collaboration · Problem Solving

Languages: Java, Kotlin
Web: HTML, CSS, JavaScript, jQuery, React, XML
Web Services: Restful, GraphQL, SOAP, JSON
Web/App Servers: Apache Tomcat, AWS EC2, S3
Frameworks: Express, Nodejs, React Native, Hibernate, Spring boot, RxJava, RxAndroid, Dagger, Hilt, Koin, Material Design
Databases: MySQL, Oracle PL/SQL, SQLite, Mongo DB, Firebase Realtime Database
Design Patterns: MVC, MVP, MVVM, MVI, Singleton, Builder, Repository, Factory, Observer
SDLC: Agile/Scrum
Tools: Android Studio, IntelliJ, Genymotion, Git, Bitbucket, Jenkin, Jira, Figma, UnitTest, jUnit, CI/CD
Platforms: Windows, Linux, MacOS
App/Software: mBanking, smartHR, digitalOnboarding, KBZConnect, KBZPay, MMCalendar, EngMMDictionary, MMEngTranslator, Dhamma, MMSpelling, MyHealth, MCCT Fingerprint App

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HIGHTLIGHTED PROJECTS AND PUBLICATIONS

MM-Calendar (2020) – 1+ Million downloads with a 4.6 rating (Google Play Store URL)
A Calendar with Myanmar versus English date. It can be calculated and converted to the date between Myanmar and English. Users can add notes, events, and memories to the note features.
Utilized Technology: Kotlin, MVVM, LiveData, Room, Coroutine, Dagger/Hilt, Navigation, Firebase, and ironSource Monetization.

English-Myanmar Dictionary (2021) – 100K+ downloads with a 4.6 rating (Google Play Store URL)
An offline dictionary allows users to search for the explanation of each English word in the Myanmar language. It also provides word of the day; the user can memorize at least one English word randomly every day.
Utilized Technology: Kotlin, MVVM, Room, Coroutine, Dagger/Hilt, Google Speech Recognition, Firebase, and ironSource Monetization.

Dhamma Tayardaw (2021) – 10K+ downloads with a 5.0 rating (Google Play Store URL)
An app helps those who are interested in reading the Buddha Dhamma Script and listening to audio from Buddhist Monks, Abidhama Teachers, Meditation Trainers, etc. Users can also read and listen to them offline by downloading PDF Docs, and MP3 Audios Files.
Utilize Technology: Kotlin, MVVM, Room, Coroutine, HIlt, Navigation, ExoPlayer, Firebase, and ironSource Monetization.

Myanmar Thetpone (2022) – 50K+ downloads with a 5.0 rating (Google Play Store URL)
A Spelling App for those who learning Myanmar Word. It can be searched and checked the Myanmar over 200 provided words. A spelling Quiz Game is also provided and users can practice the word spelling.
Utilized Technology: Kotlin, MVVM, Room, Coroutine, Hilt, Firebase, and ironSource Monetization.

MyHealth (2021) – 1K+ downloads (Google Play Store URL)
The app provides the following features: health information and knowledge, BMI Calculator, Due Date Calculator, and full descriptions of each result.
Utilized Technology: Kotlin, MVVM, Room, Coroutine, Hilt, Navigation, Retrofit, Firebase, and ironSource Monetization.

ACADEMIC PROJECTS

Maharishi International University (2023) - **Library Management System:** A desktop application that can manage the daily functions of a library. I was a team leader in this project. I prepared the project documents and developed desktop UI screens. Utilized Java, Swing, IntelliJ.

Maharishi International University (2023) - Case Management System: A web application for the lawyer. Working with a team, I was a backend developer in this project, developing the backend webservice APIs. Utilized HTML, CSS, JavaScript, Express, NodeJS, Prisma.

Maharishi International University (2023) - Product Management System: A CRUD Web application project to manage product stock. Working with a team. I was a front-end developer and developed web page screens for some features. Utilized React, Express, NodeJS, JavaScript.

Maharishi International University (2023) - Restaurant Management System: A hybrid mobile application project using React Native Technology. It can be installed on Android and iOS mobile devices. I was a team leader and worked both front-end and back-end. In front-end I developed mobile screens user interface (UI) using React Native framework, Figma for UI/UX. I also developed the backend web service API for the project using NodeJS, MongoDB and Firebase. Utilized React Native, Express, NodeJS, MongoDB, Firebase.

PROFESSIONAL EXPERIENCE

KBZ BANK LTD., Yangon, Myanmar · 05/2017 – 02/2023
Myanmar's largest privately-owned bank, driving the success of the nation's entrepreneurs, businesses, and communities.

Mobile Android Software Engineer (07/2018 – 02/2023)
Designed, developed, maintained, tested, and deployed high-quality native Android mobile apps.
- Designed and implemented the functional features using Java, Kotlin, and Android SDK.
- Integrated Android projects with third-party libraries, APIs, and web services using Retrofit, MVVM, MVI, Android Jetpacks, DEXProtector, OneLogin, and IDmission Biometric SDK to enhance functionality, improve performance, reduce load times, protect against a range of security threats, secure the code against reverse engineering.
- Work closely with UI/UX designers to create visually appealing and user-friendly interfaces, optimizing user experiences for various screen sizes and resolutions by using Figma, Android Emulator, and Genymotion
- Collaborated with cross-functional teams including PM, BA, QA, Back-end, and UI/UX teams to gather requirements and define project scopes using Jira tools/scram framework to deliver the project timely and meet the client's expectations.
- Performed the projects in testing, bug fixing, troubleshooting, and maintenance resulting increase in performance and a 100% reduction in crash rate.
- Provided mentorship to junior developers and internships providing them knowledge-sharing environments and participating in the code reviews sections.
- Researched and implemented modern trend technologies to enhance the existing app, and ensure the coding standard and best practices, by following the Google developers' documents resulting in the improvement of overall code and reduction in onboarding time for new team members.
- Deployed mobile applications on the Company's Public Server, Google Play Store, and other app stores such as Samsung, Xiaomi, Huawei, etc.,

Technologies Used: Java, Kotlin, Android Studio, MVP, MVVM, MVI, RxJava, Coroutine, Retrofit, KOIN, Dagger, Clean Architecture, Jetpack Libraries, Git, Bitbucket, Jira

Junior Developer (05/2017 – 07/2018)
- Developed and ensured the software functionality works, using C# Entity Framework, and Corebanking Flexcube resulting in meeting the in-house client expectations.
- Participated with in-house application teams and other IT teams in the department gathering to gather the project features and scope using the Jira Tool resulting in 100% timely project delivery.
- Debugged and resolved the technical problems that arose using Bugs Tracking Tools and Spread sheet resulting in a 25% reduction in user complaints and a 15% increase in client satisfaction scores.
- Wrote technical and functional documentation to facilitate software functionalities and to help users become more familiar with working on it.

Technologies Used: *C#, Entity Framework, MS VS Studio, PL/SQL, Oracle Flexcube, Git, Bitbucket, Jira*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2025)
Maharishi International University, Fairfield, Iowa
__Key Courses__: Fundamental Programming Practice, Modern Programming Practice, Algorithms, Web Application Programming, Web Application Development, Mobile Application Development, Software Engineering, Enterprise Application, Cloud Computing

Bachelor of Computer Science in Computer Science
University of Computer Studies, Yangon, Myanmar

ACHIEVEMENTS

Google Play Store Listing Certificate (2024)

Professional Diploma in Java Programming, IMCEITS-CDAC (2016)

Professional Certificate in Android Programming, IMCEITS-CDAC (2016)