HyoRim Kim

Mobile: (+82) 10-5630-2875 | **Email**: rlagyfla0709@gmail.com | **Github**: https://github.com/kxxhyorim

I am an Android developer with meticulous testing abilities akin to a QA engineer along with a designer's user perspective when coding apps. I achieved a 4.25 GPA in my academic program and was granted a full scholarship, allowing me to graduate early. With my passion for Android, I have developed and released 4 app services and worked on 3 more Android products so far. In one project called HAVIT, I participated as the lead Android developer and was able to attract 2,000+ users. I have recently cultivated interest in architectures such as server-driven UI and robust logging frameworks to facilitate rapid business growth.

PROJECT

LGTM | Developer Code Review matching platform
2023.06 ~ 2024.03

Android Development
- Skill: Clean Architecture, Multi Module, MVVM, Coroutine, Hilt, Kotlin
- **A/B testing based on Server Driven UI**
  - Developed framework for dynamic UI updates to enable A/B testing without app redistribution
  - Implemented scalable design for future UI changes.
- **Improve business using Data Driven Strategy**
  - Analyze View Exposure log to improve churn rate during registration process.
  - Analyze A/B test log to improve essential business key performance indicator. (Mission click rate)
- **Built Logging Library for measuring business indicators**
  - Manage all essential information needed for logging. (OS Version, Device Model, Session ID etc.)
  - Built reusable business metrics library that is in Android environments.
- **CI/CD utilizing Github Actions**
  - CI: Validating compile errors using build automation
  - CD: Keeping documentation updated by refreshing Module Dependency Graph & distributing via Firebase App Distribution.
- **Implemented full Android system independently and released service within 4 months**

Read Me | Reading Journal App Service
2022.03 ~2022.12

Android Development
- Skill: Clean Architecture, Multi Module, MVVM, Coroutine, Hilt, Kotlin
- Implemented Navigator using DIP to facilitate Activity transitions between feature modules
- Leveraged Clean Architecture to reuse core components (book info) and business logic
- Applied error handling using Call Adapter
- Implemented OAuth2.0 based social login and abstracted logic.

HAVIT | Content Archiving App Service
2022.01 ~

Android Development
- Skill: MVVM, Coroutine, Kotlin
- Acquired 2000+ users
- **Built and maintained a real-time error monitoring system using Crashlytics and Slack**
  - Resolved Android SDK version related issues with Activities by examining internal Activity class implementations
- **Implemented i18n(internationalization) for global service**
  - Implemented i18n module to manage Timezone, Region, Locale and Language to simplify service internal logic
- Performed utility class development, knowledge sharing, project scheduling as Android lead developer
- Learned MVVM pattern and FCM in 2 week and completed MVP development
- Won grand prize in IT development club long-term hackathon

Smart Power Strip | Remote Power Strip Control Service
2022.09 ~ 2022.12

Android, Raspberry Pi Development
- Implemented Android-Raspberry Pi TCP/IP communication for real-time power strip control
- Programmed Raspberry Pi hardware for independent outlet control of power strip.

Univ Planner | Online Course/Assignment Progress Tracking Service
2021.05 ~ 2021.10

Android, Crawling logic Development
- Learned Android and implemented and launched app in 1 week, acquired 200+ users within first week post-launch.
- Developed features to visualize university course progress and assignment completion status.
- Implemented feature to select university and login.

- Implemented web crawling logic to get data from the LMS platforms of 7 universities.

What Do I look like | Face Animal Character Analysis App Service using AI
2021.08 ~ 2021.09

Android NDK Development
- Load machine learning model (Tensorflow lite) to Android
- Implemented face shape analysis feature using OpenCV
- Won award at university-hosted software competition

TECH STACK

- **Architecture** : MVVM, Multi Module, Clean Architecture, Hilt
- **AAC** : DataBinding, LiveData, ViewModel, Navigation
- **Concurrency** : Coroutine
- **Third Party Library** : OkHttps3, Retrofit2, Glide
- **CI/CD** : Github Actions
- **Language** : Kotlin, Java, C++, Python
- **Tools** : Firebase(Crashlytics, Remote Config, App Distribution, FCM, Analytics), Notion, Figma, Zeplin, Slack

EDUCATION

Sungshin Women's University *(Seoul, South Korea)*
2019.03. ~ 2023.02.

B.S. in Information System Engineering
- GPA 4.25/4.5
- Graduated one semester early with academic honors and full scholarship in all semesters
- Received A+ grades in Data structure, Operating System, Computer Network, Object-Oriented Design, Mobile Android Programming, Software Engineering, Computer Architecture etc.

Busan International Foreign Language High School *(Busan, South Korea)*
2015.03 ~ 2018.02

Major in English and Chinese

EXPERIENCE

SW Maestro 14th
2023.04. ~ 2023.12

- In charge of project 'LGTM' as an Android developer.
- Performed full product development life cycle - planning, design, development, and marketing - under guidance of professional mentors.
- Implemented internationalization(i18n), created custom logging Library.
- Completed Design Thinking training program.

SOPT (IT club)
2021.09 ~ 2022.08

- Participated as member of Android part in 29th, 30th.
- Released 'HAVIT' and 'Read Me' android App.
- Participated in Android Study session over 9 months.
  - Presented on view state management using sealed class, Utilizing FCM, and Advance command in Git.
- Won prizes at two Naver D2-sponsored hackathons.

Undergraduate Researcher, Digital Graphics lab
2019.09 ~ 2021.08

- Presented deep learning research weekly at lab meetings.
  - Shared studies on deep learning books and academic papers.
  - Participated in Kaggle competitions and shared solution approaches.
- Participated in Korean Beef Supply and Demand Prediction Model Competition
  - Developed deep learning model to forecast beef prices
  - Co-authored academic paper on competition research

Teaching Assistant, College of Software
2020.09 ~ 2023.02

- Supported C++ and Python programming courses - answered student questions
- Mentored over 200 junior students on software studies and student life

LANGUAGE SKILLS

- Korean(Native), English(Proficient), Chinese(Beginner)