

Aljan A. Porquillo

COMPUTER SCIENCE - SOFTWARE ENGINEERING · ANDROID DEVELOPER

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Skills

Languages	Kotlin · Java · Python · Swift · C++ · JavaScript · PHP
Android	Jetpack · Retrofit · JSON · OkHttp · Dagger2/Hilt · LeakCanary · Coroutines · RxJava · JUnit · Mockito
Tools/Platforms	Git · Github · Firebase · Google Cloud Platform · Google Play · Twilio SendGrid · Facebook · Heroku · Codacy
Frameworks	Spring Boot MVC · Ktor · NodeJS · MongoDB
Architectures	Multi-module, MVC, MVP, MVVM, MVI

Experience

Undergraduate Research, UST Nutrition and Dietetics

España Blvd, Sampaloc, Manila

PREGGO, FREELANCE ANDROID & BACKEND DEVELOPER

Remote, Dec. 2021 - Present

- Led the development from designing the architectural solutions such as **multi-module, MVI** on top of **MVVM**; integrating third-party libraries such as **Jetpack Libraries, Dagger2, Material Design, LeakCanary, Retrofit, OkHttp, Firebase**, and **Crashlytics**.
- Optimized the complex UI components by breaking it into smaller chunks of custom views using **Views** and **ViewGroup** component.
- Implemented a backend server using **Spring Boot MVC** framework along with **Retrofit** and **OkHttp** for RESTful API communication.
- Handled the **Google Cloud Platform** environment for the entire project lifecycle.

Undergraduate Research, UST Information Technology

España Blvd, Sampaloc, Manila

TRUCKME, FREELANCE ANDROID DEVELOPER,

Remote, Aug. 2021 - Dec. 2021

- Integrated a real-time car location tracker using **Sockets** and **RxKotlin** on top of **Google Play Services, Maps SDK & Places API**.
- Rewritten the entire cross-platform implementation into Kotlin.
- Lead the integration of real-time synchronization between the admin and driver variant flavor.

Undergraduate Research, UST Nutrition and Dietetics

España Blvd, Sampaloc, Manila

F1KDAYSWITHU, FREELANCE ANDROID DEVELOPER

Remote, Dec. 2020 - April 2021

- Led the development from design and testing prior to app release in the **Google Play Store**.
- Decreased bugs reaching **95% of crash-free users** and increased engagement by generating fixes and new features.
- Followed **eXtreme programming** process with **CI/CD** integration and **Trello's Kanban** to help keep track the development progress.

Education

FEU Institute of Technology

P. Paredes St., Sampaloc, Manila

BS IN COMPUTER SCIENCE WITH SPECIALIZATION IN SOFTWARE ENGINEERING

Aug. 2018 - January. 2023

- President's Committee on Culture Scholar, 2018 - 2019
- Financial Academic Scholar, 2021-2022

Honor & Awards

2022	3rd Round , Smart Innovations	Virtual Event
2020	Ranked 35 , FEU Institute of Technology - Top Performing Students	P. Paredes St., Sampaloc, Manila
2020	Top 5 , FEU Institute of Technology - Technopreneurship	P. Paredes St., Sampaloc, Manila
2019	Champion , FEU Institute of Technology - TECHOVATION	P. Paredes St., Sampaloc, Manila
2019	Finalist , AIA Philam Life Hackers	Metrorent Convention Center, Pasig
2019	Best Project and Concept Award under the Health Category , HCI	P. Paredes St., Sampaloc, Manila

Certifications

2021	Cisco® Certified Network Associate: DevNet Associate	Cisco
2021	Cisco® Certified Network Associate: Introduction to Networks	Cisco
2021	Microsoft® Technical Associate: Introduction to Programming Using Python	Microsoft
2019	Microsoft® Technical Associate: Introduction to Programming Using Java	Microsoft

Projects & Open-Source Contributions

Telebrown	A Mobile Messaging Application using End-to-End Encryption Technology
PawMance	A Tinder-inspired pet breeding application showcasing the use of Gale-Shapley and Haversine Algorithm.
Instant Weather	Contributed to an open-source weather application by incorporating a Dependency Injection using Dagger2.
Tinder Scarlet	Contributed to Tinder's WebSocket library by providing analysis regarding its bug in its sample project.