

Muhammad Rifqi Fatchurrahman

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EDUCATION

- **Universitas Gadjah Mada** Special Region of Yogyakarta
Bachelor of Computer Science; Thesis about GRU-LSTM-RNN for VAD *August 2012 - April 2017*

EXPERIENCE

- **PT Ruang Inovasi Nusantara (Wideboard)** Daerah Istimewa Yogyakarta
Lead iOS Developer - Full time *June 2018 - Present*
 - Migrated from xmpp based chat into new workflow of customized web socket client for chat. Develop the core chat functionality.
 - Design and develop voip features alongside with Callkit functionality.
 - Refactor legacy code and separate chat related task from main thread into different queue operation.
 - Working with APNS Push Notification.
 - Design and develop customized chat function, and chat bots requirements. (e.g. bot command for forwarding message, opening maps, camera).
 - Manage release stage, staging and production. Also responsible for release process.
- **PT Ruang Inovasi Nusantara (Wideboard)** Daerah Istimewa Yogyakarta
Lead Android Developer - Full time *June 2017 - June 2018*
 - Design the android project workflow, stack, and architecture, using Rx, DI, and MVP architecture.
 - Implement xmpp based chat system.
 - Responsible for developing and maintaining the android app.
- **Universitas Gadjah Mada** Daerah Istimewa Yogyakarta
Laboratory Teaching Assistance *September 2013 - December 2013*
 - Teaching based on the given syllabus from the head of the lab.
 - Making the quizzes, exercise, homework, and final exam for students.

PROGRAMMING SKILLS

- **Language:** Swift, Kotlin, Java, C#, Python, SQL, Go, Scala, Objective-C, C++, GDScript, Ruby, Shell, JS
- **Frameworks and Technologies:** iOS, Android, Spring Boot, Gin, Godot Engine, Fastlane, Docker, Tensorflow, Keras, Rx, SwiftUI, Realm, Alamofire, Retrofit, Moshi, Jackson, Gradle

PROJECTS

- **Medical Record System for Posyandu (2020)** A simplified medical record application on android, built using koin, coroutines, jetpack, retrofit, and moshi.
- **An Integrated Platform of Development and Optimization of New and Renewable Energy Industry (2020)** Built REST Service and infrastructure of a project for one of the Indonesia's State-Owned Enterprise, using Docker, Postgre, and Spring Boot. Also utilized CI/CD using gitlab-ci to deploy into VPS.
- **SIGA (Sistem Informasi Gender dan Anak) DIY (2019)** An Android app that provides and visualizes population data. Build with kotlin, using anko, fuel and ParseRSS. A project from Department of Women's Empowerment and Child Protection Yogyakarta.
- **Behafizh (2016 - Present)** Implement Dagger Dependency Injection and handle loading the verse of surah on the app, an android application that helps memorizing Quran. Currently it has more than 100.000 downloads.

PUBLICATIONS

- Yunita Sari, Muhammad Rifqi Fatchurrahman, Meisyarah Dwiastuti, **A Shallow Neural Network for Native Language Identification with Character N-grams**, Proceedings of the 12th Workshop on Innovative Use of NLP for Building Educational Applications, BEA@EMNLP 2017: 249-254.

TEACHING/LEADERSHIP EXPERIENCE

- Program Manager of Nokia Innovation Center Labs UGM, a study community that share knowledge and passion about mobile application development. (Oct 2014 - Nov 2015)
- Head of Mobile Apps Division on Computer Science's study group organization. (Nov 2013 - Nov 2014)