

Fakhri Nail Wibowo

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Professional Experiences

Rey.id - Backend Developer Intern

Feb 2023 – July 2023

- Developed and maintained core products, such as subscriptions and payments using **Node.js**, **Javascript**, and **Typescript** in a microservice architecture with an event-based system using **Kafka**.
- Created and maintained unit tests to help maintain a 95% test coverage, helped by **Github Actions** for CI/CD and **New Relic** for monitoring.

Paragon Technology and Innovation - Software Developer Intern

June 2022 – Nov 2022

- Developed base backend to use for other projects with features such as authentication, messaging, and email notifications, using **Node.js**, **Express.js**, **PostgreSQL**, and **Sequelize**.
- Rebuild from scratch an existing application, initially built with code smell and no architecture, using **MVVM** and **Clean Architecture** principles, utilizing libraries such as **Koin**, **Room**, **Retrofit**, and **RxJava**.

Stayplease - Full Stack Developer Intern

July 2021 – Sept 2021

- Implemented Stay Please web app using **React** with **Ant Design** and **ASP .NET Core** for various clients from different countries.
- Deployed and monitored web apps across several instances for different clients using **Jenkins**.
- Wrote technical documentation detailing programming concepts and libraries used to help introduce new team members to the project codebase.

Education

Institut Teknologi Bandung - B. Eng in Informatics

Oct 2019 - Oct 2023

- **CGPA: 3.45/4.00 - Graduation on 28th October 2023, available from early October**
- Programming staff at KRPAI ITB (fire fighting robotics team), implemented maze solver algorithm and linked electronic components to program using OOP concepts, helped team to reach final stages of national competition.
- Event staff for informatics student body initiation program.

Google Bangkit Android Learning Path

Feb 2022 - July 2022

- **CGPA: 4.00/4.00**
- **Graduated with distinction** as top 10% students out of 3,000 students.
- Learned **Android development** from basics to expert through sessions of interactive classes and self-paced learning sessions with Dicoding, earning certificates with curriculum materials approved by **Google**.

Projects & Achievements

Coeus [\[link\]](#)

Static analysis detection tool, similar to SonarQube, focused on detecting injection vulnerabilities for Java, Javascript, Python, and PHP. Implemented algorithm in **Python** to generate data flow graph from AST and source code for taint analysis.

RSS Feed [\[link\]](#)

Backend app made with **Go**, **Chi**, and **PostgreSQL** to help users keep up-to-date with their RSS feeds.

Google Associate Android Developer Certificate [\[link\]](#)

Certificate issued officially by **Google** to ensure the skills of an **Android** developer, this includes building app functionality, user interface, data management, debugging, and testing.

SIBISA [\[link\]](#)

Recognized as **top 50** projects out of 480+ teams in Google Bangkit 2022. Sign language learning **Android** app powered by machine learning technologies to help deaf communities, built using **Kotlin**.

Personalized Skincare App

Prototype for a personalized skin care e-commerce **Android** app, built using **Kotlin**. Led and organized 3 other Android developers to build the app, including determining the project's coding conventions, libraries, and workflow.

Social Chat Webapp - OSKM ITB 2022

Chat website app created to provide space for new ITB students to socialize. Implemented API and created database table for report functionality using **Node.js**, **Express**, **PostgreSQL**, and **TypeORM**.

Skills

Languages: Python, Javascript, Typescript, Kotlin, Go, SQL, HTML, CSS

Technologies: Node.js, React.js, Next.js, MySQL, Postgresql, Flask, Android

Tools: Github, Postman, Docker, Swagger

Concepts: OOP, Design patterns, Microservices, Clean Architecture, Distributed System, CI/CD, REST API