

# Yan Freddrick Felix Serang

## Software Engineer

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### SUMMARY

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Software Engineer with a passion for crafting efficient, maintainable, and scalable solutions. With 5 of experience in full-stack development, I excel in turning complex concepts into user-friendly applications. I thrive in dynamic environments where innovation and collaboration are valued. My strong problem-solving skills and dedication to quality ensure that projects are delivered on time and exceed expectations. Looking to leverage my expertise to tackle new challenges and contribute to cutting-edge technological advancements.

### SKILLS INFORMATION

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#### Proficient with:

Javascript, Typescript, PHP, Kotlin, ExpressJs, NestJs, HapiJs, Laravel, NodeJs, Docker, Android Development, MySQL, PostgreSQL, Ms. SQL Server, MongoDB, Nginx, Apache2, Linux, Bash, Git

#### Familiar with:

Go, Java, Gin, Angular, ReactJs, NextJs, Rabbit MQ, Apache Kafka, Redis, Solidity, Ethereum Virtual Machine, Ktor, Spring Boot

#### Others:

Jira, Trello, Github, Bitbucket, Github Actions, Bitbucket Pipelines, Figma, App Diagram, Db Diagram

### EXPERIENCE

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**PT. Mitra Bhakti Informasi, Jakarta, Indonesia** | Mar 2023 - Present

**Software Engineer** (*Back End Developer, Data Migration Engineer*)

Cooperation between **Telkomsel** and Mitra Bhakti Informasi, and I am assigned to **Telkomsel** as Backend Developer and Data Migration Engineer.

- Design and develop a dynamic scheduler service, and SFTP services for sending and reading SFTP files with algorithms to read columns dynamically according to payload configuration.
- Lead sprint for develop Campaign Broadcast system, design the schema, and design the API specification and payload for message brokers for integration between service.

- Develop and enhancement existing data migration script to load from file to db by using file cache mechanism to reduce db read executing time.
- Reduce data migration script load executing time from 4 hour to 20 minutes.
- Maintaining scheduler and sftp service.
- Working with: Javascript, Typescript, NodeJs, NestJs, Shell Script, MongoDB, SQL, Apache Kafka, Redis.

**PT. Global Investa Capital, Medan, Indonesia | Nov 2021 - Feb 2023**

**Software Engineer** (*Back End Developer, Full Stack Developer*)

- Design and build GICVerse service, using Golang micro service with shared database for NFT market place api product for blockchain NFT and integration with MD Blockchain GIC Team, implement design pattern, and adjusting auth with monolith app.
- Query optimization for summaries viewer that previously used UNION on 3 tables to use CASE and JOIN with specific condition
- Create app event tracker, 3rd party Digital Marketing integration, cronjob database backup, and fixing bugs.
- Develop API for mobile and web client GIC App, with implement repository and service pattern for great maintenance.
- Develop feature for GIC backoffice internal app.
- Create CI/CD pipeline for develop several features using Bitbucket pipeline.
- Managing task for backend team, create task documentation, and evaluating/review pull request of task and merge.
- Design database for feature GIC Reward.
- Working with: PHP Laravel, Go Gin, SQL, NodeJs, Nginx, Docker.

**Dinas Kependudukan dan Pencatatan Sipil Kota Medan | Oct 2021 - Dec 2021**

**Mobile Developer** (*Android Developer*)

- Design and build an android mobile application based on the existing **SIBISA** web application for public online service for civil documents like KTP, KK, etc.
- Design and build an android mobile application called **E-Lampid** to make it easier for village officials to report born, death, and relocation.
- Deploy SIBISA and E-Lampid apps to playstore.
- Working with: Kotlin Android Development.

## **CV. Sultan Abadi Sejahtera, Medan, Indonesia | Jul 2020 - Sep 2021**

### **Software Engineer** (*Full Stack Software Developer*)

- Design and build android apps called QCApps for **PT. Socfin Indonesia** for reduce paper usage and build REST API for QCApps.
- Optimize data integration with a large number of rows between the QCApps android application and Integrated Lab System for **PT. Socfin Indonesia**.
- Revamp Lab Integrated System for **PT. Socfin Indonesia** and add enhancement feature. Merging 2 portal apps to be 1 portal.
- Build Hospital Information and Management System for **RSUD Petala Bumi Pekanbaru**.
- Working with: PHP Native, PHP Laravel, Android Kotlin, SQLite for Android, Apache2, jQuery, Ms SQL Server, PostgreSQL.

## **RSUD Bintan, Bintan, Indonesia | Jan 2020 - Mar 2020**

### **Software Engineer** (*Full Stack Software Developer*)

- Create web application called **Aplikasi Sehat** for online reserve and integrated with offline RSUD Bintan Hospital Information and Management System.
- Collecting requirement for enhancement of Hospital Information and Management System
- Fixing few bugs.
- Working with: PHP Native, Apache2, jQuery, PostgreSQL.

## **EDUCATION**

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### **STMIK IBBI (now be Universitas IBBI) | Sep 2015 - Aug 2019**

Bachelor Degree of Informatics Engineering - Graduated as cum laude with GPA: 3.80