Izzan Fakhril Islam

SOFTWARE ENGINEER

✉ izzanfi@hotmail.com | ⬡ izznfkhrlislm | ⬢ izznfkhrlislm | in izznfkhrlislm

Education

Universitas Indonesia   *Depok, West Java*

UNDERGRADUATE STUDENT, COMPUTER SCIENCE   *May 2016 - July 2020 (expected)*

- **KEB Hana Scholarship Awardee**, Jakarta — *December 2019*
- **Related Courses:** Data Structures and Algorithms, Mobile Programming, Database, Web Design and Programming, Data Science, Numerical Analysis, Calculus, Software Engineering Project, Intelligent Systems.

Skills

Languages	Python, Java, Dart, Kotlin, JavaScript
Frameworks	Django REST, Django Web, Flutter, Android Native, Java Spring Boot, Flask, Vue.js, React Native
Tools	Gitlab CI/CD, Docker, PostgreSQL, MySQL, NGINX, Apache Kafka, RabbitMQ, HTML/CSS, Maven, Linux Bash, Git
Tech-Related Knowledge	Algorithms, Design Patterns (Factory, Clean Architecture), Agile Development, Software Engineering Principles

Experience

Advotics   *South Jakarta*

SOFTWARE ENGINEER (BACK-END) PART-TIME   *December 2019 - PRESENT*

- Advotics is a Supply Chain SaaS startup, focusing on digitalizing supply chain activities, with numerous clients.
- Part of **Distribution Team**, implemented new feature and reviewed codes on Purchase Order, Sales Order, Sales Return module.
- Implemented message queue module using Apache Kafka on Advotics' source code.

Universitas Indonesia   *Depok, West Java*

RESEARCH ASSISTANT   *May. 2019 - Jan. 2020*

- Helped Mrs. Erdefi Rakun's research by implementing **SIBI (Sistem Isyarat Bahasa Indonesia)** mobile app using Kotlin to detect hand motion and translating into text.

Advotics   *South Jakarta*

SOFTWARE ENGINEER (FULL-STACK) INTERN   *May 2019 - Aug. 2019*

- Built **Track and Trace** module, to be used widely on Advotics' source code and referenced by other modules entirely, started from database designing, core logics, ETL and data warehousing design.
- Designed database tables to be injected by hundred thousands of datas monthly, supervised directly by the CTO.
- Fixed forgot password logic and flows on Advotics' storefront mobile app.

RISTEK Fasilkom UI   *Depok, West Java*

HEAD OF MOBILE APPLICATION DEVELOPMENT SPECIAL INTEREST GROUP (SIG)   *Jan 2019 - Dec. 2019*

- First RISTEK Fasilkom UI's Mobile Application Development Head to implement **Flutter** as its main learning stack.
- Courses covered: Dart Language, Widgets, BLoC Design Pattern, API Communication
- Delivered 1 external project throughout the year.

Universitas Indonesia   *Depok, West Java*

TEACHING ASSISTANT   *Aug. 2018 - Jun. 2019*

- **Web Design and Programming** - Attended lab sessions, assisted lecturer in-class session, graded assignments, conducted code demos, checked students' final project deployment.
- **Database** - Attended lab sessions, assisted lecturer in-class session, graded assignments, conducted database design and code demos, checked students' final project deployment.

adaTeman   *Depok, West Java*

LEAD ANDROID/IOS DEVELOPER   *Jun. 2018 - Apr. 2019*

- adaTeman is a social media lending platform, where users can lend and/or borrow things for free and given vouchers in return that can be redeemed with meals in local food stalls and restaurants.
- Contributed in product design and concept, evaluated users' experiences.
- Led the early stage of development, created code conventions and utilities using Flutter.

Projects

Portal Informasi Desa (PADE)
Institut Teknologi Bandung

BACKEND DEVELOPER
February 2020

- Submission for **Arkavidia 6.0** Institut Teknologi Bandung Hackathon Contest (Hackavidia) Final Round.
- Personalized citizen reporting channel and information broadcaster for rural areas. Users can send SMS, and receive follow-up messages periodically.
- Built core backend system using Django REST Framework and Twilio SMS Gateway API.

Glucofood
Universitas Indonesia

PROJECT LEAD
May 2019

- Mobile Application SIG Ristek Fasilkom UI's external project.
- Personal daily nutrition tracking application, including calories, fat, and proteins, built using Flutter and Django REST Framework as its backend API.
- Led the whole development process, with the team consisting of 7 members.

Scrum Booster
Universitas Indonesia

MOBILE APP DEVELOPER
February 2019

- Taken as a part of Software Engineering Project course, partnering with **Fasilkom UI's Reliable Software Engineering Lab** as its client.
- A "portable scrum handbook" application that helps Scrum methodology actors to boost their productivity and tackle their problems quickly by providing useful tips and insights
- Worked with a team consisting of 6 members, built the app using Flutter.

Sistem Informasi Mahasiswa UI (SIMUI)
Universitas Indonesia

DATABASE DESIGNER, BACKEND DEVELOPER
November 2018

- Submission for Database course's Final Project assignment.
- A student information website that contains student's personal information, faculty and university's events list and its volunteer recruitment informations, along with recruitment platform.
- Worked with a team consisting of 3 members, designed the database tables, schemes, triggers and stored procedures using PostgreSQL and developed the backend system using Django.

Foundations of Programming 0 (DDP 0)
Universitas Indonesia

INITIATOR
June 2017

- An annual event held by students from 2nd year, to help newly accepted students in Fasilkom UI with no prior knowledge of programming to learn foundations of programming.
- Courses covered: Basic I/O, loops, functions, basic arithmetic computation.
- Initiated the event with the help of students from batch 2016.