

FERDIAN IFKARSYAH

ferdian.ifkarsyah@gmail.com | +62895-6051-84009 | ifkarsyah.tech | linkedin.com/in/ifkarsyah

EDUCATION

| | | |
|-------------------------------------|-----------------------------------|---------------------------|
| Bachelor of Computer Science | Institut Teknologi Bandung | Aug 2017 – Present |
|-------------------------------------|-----------------------------------|---------------------------|

- Relevant Courseworks: Algorithms and Data Structures; Object-Oriented Programming; Web Development; Software Engineering; Database; Operating System; Computer Networking; Parallel and Distributed System.

WORK EXPERIENCES

| | | |
|----------------------------------|-------------------------|---------------------------|
| Software Engineer, Intern | Shopee Indonesia | May 2020 - Present |
|----------------------------------|-------------------------|---------------------------|

- Integrated internal employee attendance system API to new vendor.
- Benchmarked internal logging library to locate pain points in the code that can be optimized.
- Tech stacks used: Golang, Beego.

| | | |
|-----------------------------------|-------------------------------------|-----------------------------|
| Back-End Developer, Intern | CICIL Solusi Mitra Teknologi | June 2019 - Aug 2019 |
|-----------------------------------|-------------------------------------|-----------------------------|

- Refactored Cicil Jobs module to Clean Architecture to achieve independence of framework codebase.
- Implemented payment gates request handler using messaging queue backed with Redis.
- Tech stacks used: Golang, Gin, Beego, Redis.

| | | |
|-----------------------------------|-------------------------|-----------------------------|
| Software Developer, Intern | Zenius Education | May 2018 - July 2018 |
|-----------------------------------|-------------------------|-----------------------------|

- Assisted the business development team by implementing a gathering data system that makes analyzing and reporting customer data easier.
- Implemented a photo-sharing website for a gathering event.
- Tech stacks used: Clojure, Luminus, Swagger.

SELECTED SIDE PROJECTS

-
- **OCR PhotoApp(April 2020)**. Android app for collecting training data for Optical Character Recognition. Tech used: Android, OpenCV. Repo: <https://github.com/Ifkarsyah/OCR-Train-Data-Preparation-Tool>
 - **URLite (February 2020)**. My implementation of URL shortener service to learn system design. Tech stacks used: Scala, Play Framework, Redis. Repo: <https://github.com/Ifkarsyah/urlite>
 - **Engima (November 2019)**. Cinema website and movie ticket reservation application. Tech stacks used: Node.js, React.js, PHP, JAX-WS, Node.js, PostgreSQL. Repo: <https://github.com/Ifkarsyah/engima-main>
 - **ForFer (February 2019)**. Typical forum platform where people can have conversations about various topics. Tech stacks used: Django, SQLite. Repo: <https://github.com/Ifkarsyah/forfer-forum>

ACHIEVEMENTS

-
- **Finalist (Top 50), ACM-ICPC Asia Jakarta Regional 2019**. ICPC-style competitive programming competition.
 - **Contestant (Top 60), ACM-ICPC INC 2018**. Nationwide ICPC-style competitive programming competition.
 - **Finalist (Top 20), BNPCHS 2016**. Nationwide competitive programming competition for high school students.

TECHNOLOGIES AND SKILLS

-
- Languages : C++, Python, Java, Golang, Node.js
 - Framework : React.js, Express.js, Beego, Gin
 - Technologies : Docker, Redis, Kafka, PostgreSQL, MongoDB, AWS EC2

VOLUNTEER EXPERIENCE

-
- **Arkalogica Member, HMIF Arkavidia 2019**. Collaborated with 5 other members to make creative problems set as part of a logic competition held by Himpunan Mahasiswa Informatika ITB.