

Abdul Rahman Safari

Full Stack Developer

Bandung, Indonesia

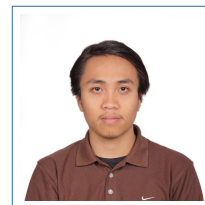
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Education

2014 – 2019 **Telkom University, Bandung, Indonesia**, Bachelor Degree, Major Of Informatics Engineering.

Skills

Programming Languages Go, Python, PHP, Javascript, Typescript

Databases MySQL, PostgreSQL, MongoDB

Backend Frameworks Laravel, Codeigniter, Flask, Fiber, Gin, ExpressJS, FastHTTP

Backend Tools RabbitMQ, Kafka, Redis, Swagger, gRPC

Frontend Tools React JS, React Native

DevOps Tools Docker, Kubernetes, Nginx, Loki, Grafana, Jaeger, Jenkins, Git, Logstash

Data Science Frameworks Sklearn, Tensorflow, Keras, OpenCV

Data Engineer Tools Airbyte, Airflow, Metabase, Apache Superset

Working Experience

2022 Jul - **PT. Multidaya Teknologi Nusantara (eFishery)**, *Senior Backend Engineer*.

- 2024 Oct
- Developed *Backend Services* for the majority of *Efishery* applications utilizing **Golang, the Gin Framework, Hexagonal Architecture, Postgres, and Nomad**.
 - Created *API Documentation* using **Swagger**.
 - Conducted **OLAP** to construct an engineering metrics dashboard implemented in **Metabase**.
 - Migrated **ETL** and **ELT** processes from **Apache Airflow** to **Airbyte**.
 - Developed and implemented **integration tests** and **unit tests** to achieve **80% coverage** of business logic.
 - Implemented **Loki** and **Grafana** for **log monitoring** of the *Backend Services* at *Efishery*.
 - Transitioned from **ElasticSearch, Logstash, and Kibana** to **Loki** and **Grafana** for **log monitoring**.
 - Integrated **distributed tracing** across *services* using **Jaeger** to facilitate *debugging*.
 - Established a **RabbitMQ Dead Letter Exchange** to simplify *debugging* of problematic messages from *backend services*.
 - Leveraged **RabbitMQ** as an **asynchronous communication channel** between backend services at *Efishery*.
 - Developed a *Go library* for *logging* to set a standard for logging across most *backend services* at *Efishery*.
 - Created a *Go library* for **database transactions** to minimize data inconsistencies.
 - Monitored and ensured the **code quality** of every *pull request* from the backend team.
 - Mentored** junior and mid-level backend engineers to help them advance to a senior level.
 - Utilized **gRPC** for **internal service-to-service communication** within the backend ecosystem at *Efishery*.

2020 Sep - **PT. Kaldu Sari Nabati**, *Senior Backend Engineer*.

- 2022 Jun
- Developed the *Discount Engine Module* (Nadine) to replace the existing *Discount Engine* in **SAP** using **Golang and the Fiber Framework**, with an emphasis on **Hexagonal Architecture**.
 - Engineered the *Sales Distribution Module* (NDS) as a substitute for the *Sales Distribution* in **SAP** using **Golang and the FastHTTP Framework**, incorporating **Hexagonal Architecture** and **Concurrency**.
 - Created the *Master Data Config Module* integrated with **SAP** using **NodeJS and Express**.
 - Leveraged **RabbitMQ** as an **asynchronous communication channel** between backend services.
 - Designed and implemented comprehensive **Test Cases** to ensure full logic coverage for the *Discount Engine*.
 - Developed and executed **Integration Tests** to validate that *sales orders* received the correct **discounts**.

2019 Oct - **PT. Exaditama Teknologi Kreativa**, *Lead Back End & DevOps Engineer*.

- 2020 Aug
- Led and managed a team** of 3 backend engineer and 2 devops engineer.
 - Utilized **Trello** as the **task management** tool for tracking and managing tasks.
 - Executed **CI/CD scripting** for every service built with **Jenkins** to streamline developer integration and automate server deployments.
 - Segmented the **Deployment Strategy** into **Development, Staging, and Production** environments for the company's products.
 - Managed an **API Gateway** using **Nginx** to simplify endpoint access for the Front-End.
 - Implemented **clustering, auto versioning, and load balancing** on production servers with **Kubernetes**.
 - Engineered a microservice REST API utilizing **Lumen, NodeJS, Go, Redis, MongoDB, MySQL, and RabbitMQ**.
 - Transformed the **monolithic architecture** into a **microservices architecture** and scripted the **deployment boilerplate** for each framework within the developed products.
 - Developed scripts for scheduled database backups using **Bash Scripting and NodeJS** to **Amazon S3**.
 - Constructed a recommendation system that employs **Google Text-To-Speech, Natural Language Processing** and text classification via the **Naive Bayes Algorithm**.
 - Designed a REST API for trading applications using **Golang and the Fiber Framework**, leveraging **RabbitMQ** as the message broker for internal service communication.

2019 Aug - **PT. Gigaming Intermedia Solusindo**, *Back End Engineer*.

- 2019 Oct
- Developed a **containerized service** leveraging **Docker**
 - Engineered a microservice REST API utilizing **.Net Core, NodeJS, Redis, MongoDB, MsSql, RabbitMQ**

Project Experience

2024 **EveryoneAsia2024**, *Project Lead*.

- Led and managed a team consisting of **2 Backend Engineers, 2 Web Frontend engineers, 1 UI/UX Designer, 1 Flutter Developer, and 1 QA**.
- Ensured the project progressed according to the agreed **Statement of Work (SOW)**.
- Integrated **backend services** with **two payment gateways, Doku and Midtrans**.
- Handled **livestreaming on mobile apps** with **10,000 concurrent users**.
- Developed a **participant management system** using **QR Codes** for identity verification.
- Conducted **integration tests** to ensure feature functionality.
- Built **backend services** using **Golang & Fiber**.
- Developed the **Admin Panel and Registration Page** frontend using **React JS**.
- Created a **real-time queue system** for food ordering, displayed on TVs at each food stand using **React JS**.
- Implemented **Minio** as the **object storage** solution.
- Utilized **Trello** as the **project management** tool for tracking and managing tasks.

2023 **Pelita Air**, *Freelance Full Stack Developer*.

- Developed the frontend interface for *skyops-pas.id* using **ReactJS** and **Zustand** for state management.
- Extracted data from **AIMS** using **SOAP**, transformed it with **Golang**, and displayed it on the frontend interface.
- Extracted data from **AIMS** using **SOAP**, transformed it into a **Google Sheets document** using **Golang**.
- Deployed the entire **codebase** on a **VPS** using **Docker** and **Nginx** as a reverse proxy.
- Implemented **CI/CD pipeline** using **Jenkins**.

2022 **Telkom Indonesia**, *Backend Developer (3-Month Contract)*.

- Developed backend services for the *TravelAja* application using **NodeJS**.
- Built backend services for the *TravelAja* application utilizing **Laravel Lumen**.

2019 **MulaiDisini**, *Freelance Web Developer*.

- Develop Rest API using **Lumen**
- Develop Frontend interface using **Blade** from **Laravel**
- Deploy whole project to VPS in **Amazon EC2 Server**
- Using **Nginx** as reverse proxy

2018 **Dorenmi**, *Freelance Web Developer*.

- Develop Rest API using **Lumen**
- Develop Frontend interface using **Blade** from **Laravel**
- Using **Midtrans** as a payment gateway for this project
- Deploy whole project to VPS in **Amazon EC2 Server**
- Using **Nginx** as reverse proxy

2017-2019 **Telemedicine Realtime Arrhythmia Detection System Research**, *Researcher*.

- Develop Frontend web interface using **Laravel Blade** and **Plotly.js** to monitor data that is coming from **ESP8266** in realtime using **Mosquitto Protocol**
- Create **realtime notification web interface** to notify machine learning feedback process
- Develop a **feature extraction** method employing **time domain features and wavelet decomposition** to facilitate enhanced accuracy when constructing a detection model.
- Creating a machine learning model using **KNN algorithm and Artificial Neural Network** for heart disease detection.
- Deploy **MQTT, PHP dan MySQL** on Amazon EC2 Server

Achievement

2014 **Bestapps.id**, **FINALIST**, Bandung, National.

2014 **Sisfotime 3**, **2ND PLACE**, Telkom University, Regional.

- 2017 **Telemedicine Conference Malaysia**, FINALIST, Malaysia, International.
- 2017 **BNI Hackfest 2017**, FINALIST, Bandung, National.
- 2017 **APICTA Awards 2017**, MERIT AWARDS, Bangladesh, International.
- 2018 **APICTA Awards 2018**, FINALIST, China, International.
- 2018 **Laravel Training Workshop Speaker**, Telkom University, Regional.
- 2019 **Fintech Hackathon Day 2019**, 3RD PLACE, Bandung, National.
- 2019 **UAJY Siloam Hackathon 2019**, 2ND PLACE, Yogyakarta, National.
- 2019 **Korea International Youth Olympiad 4I**, 3RD PLACE, South Korea, International.

Language

Indonesian Native Level
English Moderate Level