



Oktaviandra Putra Editya

Fresh Graduate Computer Engineer

A Lifetime Learner. Backend-oriented software engineer with a strong passion for crafting efficient solutions. Competitive programming enthusiast and fast learner who thrives in new environments. Skilled at optimizing performance and scalability. Committed to staying at the forefront of backend technologies and driving innovation in software development.

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EDUCATION

Computer Engineering Associate's Degree

IPB University

GPA 3.72/4.00

September 2018 - November 2021

Bogor, Indonesia

Focus

— Computer Network — Computer Hardware — Internet of Things (IoT)

WORK EXPERIENCE

Full Stack Web Developer

PT. Ursawhite Teknologi Indonesia

March 2024 - September 2024

Jakarta, Indonesia

- Developed user interfaces for an order management system using React.js, TypeScript, Tailwind CSS, and Material-UI. Ensured responsive design and efficient rendering using modern frontend best practices.
- Implemented robust backend services for the order management system using Golang. Designed RESTful APIs to handle CRUD operations and integrate with the frontend.
- Integrated PostgreSQL to store and manage application data.
- Utilized Git for version control and collaborated effectively with a team of developers.
- Deployed applications using Linux-Based Virtual Private Server with Docker. Implement CI/CD Pipeline using Github Action to automate deployment.

Backend Developer

PT. Bank Rakyat Indonesia (BRI)

July 2022 - Present
Contract Under PT. Mitra Integrasi Informatika Jakarta, Indonesia

- Played a key role in designing and developing scalable backend systems for a Banking Super Application, leveraging Golang and Microservices architecture to ensure high performance and reliability.
- Developed and optimized RESTful APIs using the Echo Framework in Golang, ensuring seamless integration between various services and delivering efficient solutions for high-traffic financial applications.
- Integrated MySQL for efficient data storage and management and used Redis for high-speed caching, optimizing application performance and response times. Implemented RabbitMQ for asynchronous communication between microservices, ensuring message reliability and system scalability.
- Developed high-performance, low-latency communication between microservices using gRPC, enhancing system efficiency and reducing response times.
- Deployed and managed containerized applications on Redhat OCP (OpenShift), ensuring streamlined deployment, scalability, and resource optimization in a cloud-native environment.
- Utilized Bitbucket for version control and set up Bamboo CI/CD pipelines to automate build, and deployment processes, ensuring continuous integration and faster delivery cycles.

Fullstack .Net Developer

PT. Mitra Integrasi Informatika

March 2022 - July 2022

Jakarta, Indonesia

- Developed and implemented a project management system web application, inspired by popular tools like Trello and Jira, to streamline team collaboration and task management.
- Utilized ASP.NET Web API, ASP.NET MVC, and ASP.NET Core to build robust and scalable backend APIs for the application.
- Designed and implemented database schemas using Microsoft SQL Server, ensuring efficient data storage and retrieval.
- Implemented responsive and user-friendly front-end interfaces using HTML, CSS, and JavaScript.
- Implemented version control using Git, allowing for efficient collaboration and code management with the development team.

IT Technician

PT. Jaminan Kredit Indonesia Internship

July 2021 - January 2022

Jakarta, Indonesia

- Support office needs of technology (configure LAN on office computer, software and hardware installation)
- Create an autofill program for report from Google Form with Google Script
- Provides graphic design for events and information media.

Network Engineer

Pemerintah Kota Bekasi *Internship*

February 2021 - April 2021
Bekasi, Indonesia

- Install and configure public and office network infrastructures such as router, switch, access point and fiber optic cable. (Cisco, Mikrotik, ZTE, TP-Link, Ubiquiti)
- Install and configure an Intrusion Detection and Prevention System (IDPS) prototype on Linux-Based Infrastructure. (Snort, Ubuntu Server, FreeBSD)

IoT Developer

PT. XL Axiata *IoT Makers Development Program (IMDP)*

June 2020 - September 2020
Jakarta, Indonesia

Develop an IoT device, "Smart Apiary Monitoring and Controlling to Increase Beekeeping Productivity". This device maintains humidity and temperature inside the beehives and provides real-time data to mobile application. The data is then used for several follow-up action based on condition. (Arduino, NB-IoT, FlexIoT, Android Studio, C, Java, RestAPI, JSON)

ACHIEVEMENTS

3rd Place Network Security & Information System ICONFEST IPB (April, 2020)
IPB Informatics Innovation Festival held by IPB Computer Science Student Association.
CTF (Capture The Flag) based competition, to find purposefully-vulnerable program or website of a system.

2nd Place Smart Device Competition OLIVIA (November, 2019)
Olimpiade Vokasi Indonesia held by Universitas Diponegoro.
Develop an IoT device named SEBASTION (Smart Electricity Box Access and Information). Electric socket that simply able to monitor and control electronic device, connected to mobile application.

CERTIFICATES

Digitalent Kominfo
Professional Academy Python
April, 2023

Talenthub Kemnaker
Scalable Web Service With Golang (Intermediate)
November, 2023

Dicoding Indonesia
Architecting on AWS (Membangun Arsitektur Cloud di AWS)
July, 2021

Dicoding Indonesia
Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)
June, 2021

ABLE TO WORK WITH

Frontend

React.js Next.js Tailwind

Backend

Javascript Go MySQL SQL Server
Postgresql Redis RabbitMQ

Testing

Postman Selenium Katalon

Other

Docker CI/CD Github Action
Git AS400

ORGANIZATION EXPERIENCE

Speaker, "Create simple Android app with MIT App Inventor"
Micro Techno Education (MTE)

June 2020

An event held by Micro IT Community IPB University in order to provide training to the public community about technology.

LANGUAGES

Bahasa Indonesia
Native or Bilingual Proficiency

English
Professional Working Proficiency