

Faza Aulia Rosyadan

Fullstack Engineer | IoT Engineer | AI Enthusiast

{ Malang, East Java, Indonesia } { 27 y.o }

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About Me

I am a Full Stack Developer and Internet of Things (IoT) enthusiast. I am seeking opportunities in Web Development and IoT engineering, with a background in software engineering and Electrical Engineering.

Work Experience

PRIEDS

RnD IoT Engineer (April 2024 - Present)

- Develop robust IoT solutions using C++ for firmware development.
- Conduct R&D on UHF RFID modules for advanced tracking and identification solutions.
- Implement TCP, UDP, Websocket and UART TTL communication protocols for device data transmission.
- Create GUIs with the .NET Framework for enhanced user interaction.
- Perform reverse engineering of firmware to improve system functionality.
- Analyze hex data buffers to ensure data integrity and gain insights.
- Collaborate with cross-functional teams to integrate IoT technologies.
- Stay updated with IoT trends to drive innovation and performance

Folkatech

Fullstack Developer (March 2023 - December 2023)

- Collaborated with a cross-functional development team to build a government project.
- Configured JSON schema & sitemap in NUXTJS.
- Utilized Laravel, jQuery, Bootstrap.

Bumi.ai

Fullstack Developer (September 2021 - September 2022)

- Collaborated with a cross-functional development team to build a project for Toyota Astra Motors.
- Main project: (IAIS) Import Astra Integrated System.
- Designed & developed the front-end UI using VueJs, Vuex.
- Sliced UI/UX into Vuejs for the front-end.
- Developed SSO (Single Sign-On) authentication integration.
- Installed & configured Windows Server 2000.

Samware Tech

Fullstack Developer (June 2019 - November 2020)

- Collaborated with a cross-functional development team to build a freelance project.
- Created a website from start to Go Live.

Education

University of Muhammadiyah Malang

Bachelor of Engineering - Electrical Engineering (2016 - 2022)

Skills

Client-side:

- Programming Language: Javascript, Html, CSS.
- Framework or Library: VueJS, AngularJS, ReactJS, TailwindCSS, Bootstrap, Ant, Vuetify, ElementUI, ChakraUI.
- Protocol: HTTP, Axios, REST API, Websocket, Mqtt, Realtime Firebase, Serverless.

Server-side:

- Programming Language: C#, C++, Javascript, Python, PHP, Bash, Typescript.
- Framework or Library: .Net framework 4.8, .Net MAUI, NodeJs, ExpressJS, NestJS, FastifyJS, Flask, Django, Laravel, CI.
- Protocol: HTTP, REST API, JWT Auth, Websocket, Mqtt, TCP, UDP.

Database:

- SQL: MySQL, SQLite, PhpMyAdmin, MariaDB
- No-SQL: Firebase, Firestore, MongoDB.

Internet Of Things:

- Hardware: ESP Family, ESP32, ESP8266, Nodemcu, Attiny85, STM32, Arduino.
- Protocol: Hex Buffer Protocol over TCP/UART/USB Serial, MQTT, Webscoket, WebHook, TCP, UDP, HTTP.

Utils:

- CI/CD Github Workflow, Docker, Git Control, Linux & Debian (7 years), Windows Server, SSH, FTP, Firewall, Authentication.

Projects

Ruvid Malang

Private project based on VueJs & FastifyJS.

Data Statistik

Private project built with Firebase, VueJS, and ChartJS.

ESP32-CAM Machine Learning

Object detection on ESP32-CAM built with TensorflowJS.

@Cybertivox (Instagram)

Auto-generated feed news using Bot AI System. Build with: Python3.7, Selenium, Cheerio, Gemini-AI, Github Workflow cornjob.

Languages

- Indonesian (Native)
- English (Intermediate)

Social Media

- [Instagram](#)
- [Twitter](#)