

Muchammad Fikri Izzuddin

Lead Software Engineer

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Professional Summary

A highly accomplished and results-driven Software Engineer Lead with 7+ years of experience in full-stack development, blockchain, and embedded systems. Proven ability to lead cross-functional teams, architect scalable solutions, and drive significant business impact through technology. Expertise in Python, JavaScript, Node.js, React, and a strong focus on delivering quantifiable results, including increasing trading accuracy by 70% and improving business process efficiency by 30%. Seeking to leverage technical leadership and deep domain knowledge to tackle complex engineering challenges.

Experience

Bitwyre | Onchain Trader & Blockchain Developer

Bali, Indonesia | December 2024 – Present

- Engineered Fomo Watcher Application (Python, Blockchain APIs) for trending token prediction, achieving a 70% accuracy rate and generating \$100K USD in profits
- Developed Dex Clearing Algorithm (Python, Smart Contracts) for the exchange, successfully reducing manual labor efforts by 60%.
- Built a Finance Dashboard for real-time monitoring of trading performance across all teams.
- Lead the development of the Card Product for seamless crypto-to-fiat global payments.
- Created an OTC Portal to facilitate seamless international OTC transactions.

Bitwyre | Custodian/Backend Engineer

Jakarta, Indonesia | July 2024 – December 2024

- Optimized custodian systems for the crypto exchange, ensuring high efficiency and security.
- Integrated with multiple Payment Gateways worldwide to expand service reach.
- Automated and accelerated withdrawal and deposit processes, achieving 99% system uptime.

Linguise | Senior Full Stack Engineer

France, Remote | November 2023 – July 2024

- Built an internal Admin Dashboard application (Node.js, React) for managing customers and services.
- Led the migration of the core API application from PHP to a modern Node.js architecture.
- Led a team of 3 engineers to implement best practices and improve code quality.

Viapulsa | Technical Lead

Yogyakarta, Indonesia | January 2023 – January 2024

- Implemented a modern workflow management system to streamline development processes.
- Successfully led a team of 18 members to achieve all project milestones and objectives.
- Increased business process efficiency by 30% through strategic technology implementation.
- Fully migrated offline business systems to a fully online and automated platform.

Atech Solution | Senior Programmer

Hongkong, China | September 2022 – April 2023

- Led the development of an advanced interface to control internal time tracking software, utilizing modern web technologies.
- Spearheaded the creation of a critical feature for a Hospital application, improving the accuracy and efficiency of medical records by over 30%.

LMESH | Senior Python Engineer (Freelance)

Amsterdam, Netherlands | July 2022 – December 2022

- Created a cutting-edge automation system (Python, MQTT, Serial Communication) for smart car interiors, improving smart technology efficiency by 25%.
 - Developed new algorithms to optimize the automation system's performance, resulting in a 40% reduction in maintenance costs.
- Collaborated with cross-functional teams, leading to a 15% increase in revenue through product line expansion.

Forvia | Senior Python Developer (Freelance)

Paris, France | July 2022 – December 2022

- Built an advanced embedded system (Python) for the latest smart car product, displayed at CES 2023.
- Optimized the embedded system's performance, reducing the product development cycle by 30%.
- Integrated the system into the production process, leading to a 25% increase in production efficiency and cost savings.

PT. Solomon Digital Indonesia | Senior IT Consultant

Jombang, Indonesia | December 2021 – October 2022

- Designed and implemented a state-of-the-art system for mining hardware, resulting in a 40% increase in mining efficiency and cost savings.
- Created an automated cryptocurrency trading application (Python) utilizing advanced algorithms, resulting in a 15% increase in client profits.
- Optimized mining hardware performance, reducing downtime by 25% and increasing reliability by 30%.

PT. Avee Putra Jaya | Senior Full-Stack Engineer

Jombang, Indonesia | August 2020 – May 2021

- Created an advanced internal application for order and sales tracking, resulting in a 30% increase in order accuracy and a 20% reduction in processing time.
- Enhanced the internal finance application system, leading to a 40% increase in financial data accuracy and a 25% reduction in processing time.
- Integrated new applications into existing systems, leading to a 15% increase in overall company efficiency.

Jombang Cyber | Junior Software Engineer

Jombang, Indonesia | August 2018 – July 2020

- Created an election system for the local government.
- Developed a website for a charity organization, resulting in a 50% increase in donations and volunteer participation.

Jagoan Hosting | Junior Software Engineer

Malang, Indonesia | July 2017 – August 2018

- Responsible for setting up Gravana, a cloud server monitoring platform, resulting in a 15% increase in server uptime.
- Developed a competitor watch application (Python, Node.js), resulting in a 10% increase in market intelligence.

Projects / Open-Source

Nuclear | [Link](#)

Technologies: JavaScript, React, Node.js

- Contributed to a free music delivery project by building a user interface using React and JavaScript, which increased user engagement by 11%.

RBMiner | [Link](#)

Technologies: Bash, PowerShell, Python

- Developed a public project to optimize mining hardware performance, resulting in a 20% increase in efficiency.
- Designed a system to handle automated switching and monitoring of mining hardware using Bash, JavaScript, and PowerShell.

Shopee Bot | [Link](#)

Technologies: Python, Telegram API

- Bot Project to assist people on using Shopee Affiliate and Shopee Live Feature, built with Python and integrated with Telegram API.

Wifi Jammer | [Link](#)

Technologies: Python, Shell, Makefile

- A simple wifi jamming tool built with Python and Bash scripting.

AI Auto Job Apply | [Link](#)

Technologies: Python, TypeScript, Shell, Makefile, JavaScript, CSS, HTML

- An automated job application solution using **Python** and **TypeScript** to streamline the application process.

Tiktok Bot | [Link](#)

Technologies: JavaScript

- An assistant for TikTok with yapping features, developed using **JavaScript**.

Kemkes Automation | [Link](#)

Technologies: Python

- Automation script for a Ministry of Health (Kemkes) related process, built with **Python**.

Telegram AI Trade | [Link](#)

Technologies: Python, MQL5, MQL4, JavaScript

- A trading bot using **OpenAI** for AI-driven analysis and **Telegram**, with integration via **MQL4/MQL5**.

Education

Institut Teknologi Sepuluh Nopember (ITS) *Surabaya, Indonesia | June 2018 – May 2022*

- Bachelor of Business Management
- GPA: 3.4

Skills

Category	Skills
Programming Languages	Python, JavaScript, PHP, C++, Java, Bash, TypeScript, MQL4/MQL5
Frameworks & Libraries	React, Node.js, Express.js, Django, Laravel, CodeIgniter, Flutter
Databases	PostgreSQL, MySQL, MongoDB, SQL Server, Oracle DBMS
Tools & Platforms	Git, Docker, Kubernetes, AWS, Google Cloud, Visual Studio Code, Sublime
Specialized	Blockchain Development, Embedded Systems, MQTT, Serial Communication, ATS Compliance

Certifications

- Equity First: The Path to Inclusion and Belonging - [LinkedIn](#)
- How Managers Create a Culture of Belonging - [LinkedIn](#)
- Problem Solving (Intermediate) - [HackerRank](#)
- Python (Basic) - [HackerRank](#)
- SQL (Advanced) - [HackerRank](#)
- Rest API (Intermediate) - [HackerRank](#)
- JavaScript (Intermediate) - [HackerRank](#)
- Cert Prep: Scrum Master - [NASBA](#)
- Making Hybrid Teams Work - [NASBA](#)