

Irsyaad Izzuddin

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Location: Indonesia

Professional Summary

Results-driven Freelance Software Engineer / AI Infrastructure Engineer with 5+ years (nearly 6 years) of experience delivering scalable, high-performance systems. Skilled in AI infrastructure, GPU-accelerated workloads, blockchain-enabled systems, backend and frontend development, data-driven design, and cloud-based automation. Strong focus on optimizing system latency, reliability, observability, and user experience. Adept at collaborating across distributed teams and leveraging modern technologies to accelerate product delivery.

Technical Skills

Programming Languages: Python, JavaScript (Node.js), Java, C#, Go, C

Frameworks & Tools: Django, Flask, React, Android SDK, .NET Core, Express.js

Cloud & Infrastructure: Microsoft Azure, AWS, Docker, CI/CD pipelines, Linux

AI, GPU & Data: LLMs, LangChain, AutoGen, PyTorch (GPU), Pandas, NumPy

Blockchain: Ethereum concepts, Smart Contracts (Solidity – integration level), Web3 APIs

Databases: PostgreSQL, MongoDB, MySQL

Other: Git, REST APIs, WebSocket, Microservices, Kafka, Event-Driven Architecture

Professional Experience

Freelance Software Engineer / AI Infrastructure, Blockchain & GPU Systems Engineer — Upwork

Mar 2020 – Present | Remote

- Designed and developed scalable microservices for high-traffic applications handling over 500K daily transactions with 99.9% uptime.
- Implemented event-driven architectures using Kafka and Airflow, reducing latency by 45% and improving transaction throughput.
- Designed and operated GPU-accelerated AI workloads supporting LLM training, inference, and evaluation pipelines.
- Integrated blockchain-based components for secure transactions, traceability, and distributed validation workflows.
- Created AI-powered research, automation, and evaluation tools leveraging LLMs, LangChain, and AutoGen.
- Built Excel–Python integrations to replace legacy VBA systems, improving processing speed by 60%.
- Delivered full-stack solutions combining RESTful APIs, cloud deployments, and scalable database design.

Freelance Vibe Coder (AI Infrastructure & Tooling) — Mindrift / Toloka AI

4 Months – Present | Remote

- Contributed to developer-facing AI infrastructure and GPU-backed tooling supporting large-scale LLM workflows, evaluation logic, and automation pipelines.

AI Trainer — Invisible AI

2 Months – Present | Remote

- Supported LLM training and evaluation pipelines through prompt review, response ranking, quality assurance, and safety analysis.

Education

Universitas Gunadarma — Bachelor's of Computer Science

2014 – 2019

Projects & Highlights

- Payout System Optimization: Transitioned from cron-based to real-time payout system using Airflow and Kafka, reducing payout latency by 45%.
- LLM-based Automation Framework: Built a modular AI-agent system integrating LangChain for research and evaluation automation.
- YouTube-like SPA (YTIFY): Created a LocalStorage-based single-page app with playlist management and offline-first capability.
- Data Analytics Dashboard: Designed a Python-based analytics suite improving KPI decision accuracy by 30%.

Languages

Indonesian: Native

English: Professional Proficiency

References available upon request.