

Maulana Anjari Anggorokasih

Full-Stack Software Engineer | Ops Tooling & Automation | 3+ YOE

Kulon Progo, DIY | 0831-8861-8854 | maulana17anjari@gmail.com

linkedin.com/in/maulana-anjari-anggorokasih | github.com/Maulana-anjari | maulana.sumbu.xyz

PROFILE

Results-driven Full-Stack Software Engineer with 3+ years of experience specializing in Operational Tooling & Automation. Proven track record in reducing operational lifecycles by 50% and architecting scalable systems using TypeScript (NestJS), Go, Python (FastAPI), and React/Next.js. Deep interest in AI Agent Frameworks (LangGraph) and extensive experience in Observability (Prometheus, Grafana, ELK). Passionate about debugging, benchmarking, and building efficient, distributed systems that drive real-world KPIs.

SKILLS

- **Backend & DB:** TypeScript (NestJS), Go, Python (FastAPI), Node.js, MS SQL Server, PostgreSQL, Redis, RabbitMQ.
- **DevOps & Observability:** Prometheus, Grafana, ELK, OpenTelemetry, Docker, Kubernetes, GitHub Actions, K6 (Benchmarking).
- **AI Frameworks:** RAG, LangGraph, LangChain.
- **Frontend & Testing:** React, Next.js, Svelte, Jest, Pytest.

EXPERIENCE

LLM Backend Engineer (Contract) | LKFT UGM (Client: PT Pertamina EP WOPDM Z4)

Sleman, DI Yogyakarta

Oct 2025 – Present

- Developed internal operational tooling and data visualization dashboards to streamline executive decision-making and automate manual data processing.
- Led the migration of a monolith RAG backend to 8 microservices using Python (FastAPI), ensuring zero downtime and independent scaling.
- Collaborated on technical discussions regarding LangGraph implementation to enhance AI-driven automation workflows.
- Enforced deployment compliance and achieved < 1% rollback rate through automated RBAC and CI/CD pipelines via GitHub Actions and Docker.
- **Tech stack:** Python, FastAPI, LangGraph, MS SQL Server, Docker, GitHub Actions, RBAC, Pytest.

Co-Founder & Lead Backend Engineer | Sumbu Labs (Client: PT Inspeksi Mobil Jogja)

Sleman, DI Yogyakarta

Feb 2025 – Present

- Optimized business operations by reducing the end-to-end inspection life cycle from 3 hours to 1.5 hours (50% reduction) by automating manual workflows and PDF generation.
- Implemented and maintained a full Observability stack (Prometheus, Grafana, ELK, OpenTelemetry) to monitor distributed system health and drive proactive debugging.
- Architected scalable backend services using NestJS and Prisma, achieving a 60% improvement in response performance through strategic caching and query optimization.
- Reduced deployment lead time to under 15 mins by managing VPS and Docker infrastructure using GitHub Actions.
- **Tech stack:** NestJS, PostgreSQL, Prisma, Redis, Prometheus, Grafana, ELK, OpenTelemetry, Docker, GitHub Actions.

Web3 Developer Blockchain Intern | Kementerian Pendidikan Tinggi, Sains, dan Teknologi (Kemdiktisaintek)

Jakarta, DKI Jakarta

Sep 2024 – Dec 2024

- Enabled secure data verification for institutions by building frontend workflows and smart contract integrations using Next.js, React, and Web3.js.
- Reduced manual verification steps by 80% for accreditation officers by implementing secure wallet connectivity and transaction signing flows in Next.js.
- Delivered 3 major milestones on schedule within 3 months, collaborating in a 6-person agile team to produce unit-tested interaction modules.
- **Tech stack:** Next.js, React, Web3.js, Solidity.

Blockchain Researcher Intern | Faculty of Engineering, UGM

Sleman, DI Yogyakarta

Aug 2023 – Jan 2024

- Engineered an interoperability testbed connecting cross-chain data sharing between hospital and insurance nodes using Hyperledger Fabric.
- Reduced cross-network medical record retrieval latency by 40% by designing an off-chain relay layer using REST APIs, event listeners, and IPFS.
- Provided the foundation for academic publication by producing comprehensive research on interoperability architecture and performance benchmarks.
- **Tech stack:** Hyperledger Fabric, Node.js, REST API, IPFS.

Full-Stack Developer (Part-time) | KMTETI FT UGM

Sleman, DI Yogyakarta

Oct 2021 – Jun 2023

- Developed functional web applications for two national tech events by integrating REST APIs with React-based frontends and managing complex application states.
- Served hundreds of participants reliably by building and maintaining backend services in Node.js and MongoDB, while designing secure JWT-based authentication.
- Maintained zero breaking changes across multiple iterations by coordinating stable API contracts and ensuring seamless frontend-backend synchronization.
- **Tech stack:** React, Node.js, Express.js, MongoDB, JWT, State Management.

PROJECTS

AI Agent Career Copilot (In Development)

- Building a full-stack automated career assistant using Python, Go, and Svelte.
- Implementing core agent logic using pure Python to master LLM orchestration before migrating to LangGraph for complex state management.

EDUCATION

Universitas Gadjah Mada

Sleman, DI Yogyakarta

Aug 2021 – May 2026

Bachelor of Engineering in Information Technology

- GPA: 3.38/4.00
- Undergraduate Thesis: **Performance Comparison Analysis of Proof of Authority and Proof of Stake Consensus Mechanisms on the DChain National Blockchain Network.**

LEADERSHIP & INVOLVEMENT

Teaching Assistant | Dept. of Electrical Engineering & Information Technology, UGM

Sleman, DI Yogyakarta

Aug 2023 – Present

- Iteratively improved teaching materials and supported faculty by managing assignment workflows for 7 courses (5–10 classes/semester) based on tracked data outcomes.