

Rafly Adriansyah

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Profile Summary

Full Stack Engineer with experience in developing scalable web applications, backend systems, and real-time monitoring platforms. Skilled in Node.js, Python, AWS, Linux, MQTT, API development, and embedded application development using Qt. Experienced in IoT integration, cloud infrastructure, and industrial monitoring systems.

Education

STMIK AMIK Bandung (Institute of Informatics and Computer Management) <i>Bachelor of Science in Informatics Engineering</i> IoT, AI, and Machine Learning Focused	Bandung, Indonesia Sep 2021 - Oct 2025
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Additional Activities
R&D Robotics, Robotics development and technology competitions

Technical Skills

- **Web Development:** React, Nextjs, Vite, & Nestjs
- **Web Scraping/Crawling:** Node.js & Python
- **Database:** SQL & NoSQL
- **Operating System:** Windows & Linux
- **AWS Infrastructure:** S3, DynamoDB, RDS, EC2, Amplify, etc

Experience

PT. Qimtronics Cipta Anagata <i>Software Engineer</i>	Bandung, Indonesia Sep 2025 - Present
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- Built a real-time Fleet Management System with fleet assignment, live unit tracking, and interactive map editing using Next.js and NestJS.
- Developed a Support Equipment Tracking System for standalone heavy-equipment tracking, including alert management and dispatcher-to-operator chat.
- Developed a Qt/C++ Health Station application on Tinker Board SBC, integrated with AWS Greengrass for edge computing and OTA deployment.

PT. Samudra Data Nuswantara <i>Data Quality Assurance</i>	Bandung, Indonesia Aug 2023 – Sep 2025
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- Managed and processed large-scale datasets across 8 projects.
- Handled client data requests.
- Developed automation scripts using Bash/Python with Elasticsearch API integration.

PT. Techno International Mandira <i>AWS Cloud Data Analytics Apprentice</i>	Bandung, Indonesia Sep 2024 – Dec 2024
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- Analyzed data using Amazon QuickSight.
- Developed an AI chatbot with Amazon Bedrock (LLM) for Capstone project.
- Learned to set up and manage AWS infrastructure components such as EC2 instances, DynamoDB, and S3 for data storage and processing.

Regional Education Office 7 West Java <i>Laravel Developer Intern</i>	Bandung, Indonesia Feb 2024 – Jun 2024
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- Built personnel management web apps for submissions.
- Developed using Laravel without team.
- Assisted the public relations team in designing templates for social media.

Laboratory of Electronics <i>IT & Electronic Technician Freelance</i>	Bandung, Indonesia Jan 2023 – Dec 2024
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Maintained over 150 devices, handled troubleshooting, and provided preventive maintenance for 20 regular clients.

Certifications

AWS Certified Cloud Practitioner