Tri Purnomo Aji

Full Stack Developer | Laravel, Vue.js, REST APIs, AWS S3

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SUMMARY

Full Stack Developer with hands-on experience building, deploying and maintaining production web applications, from Laravel backends and REST APIs to Vue.js interfaces, cloud object storage (AWS S3, Alibaba Cloud OSS) and Nginx server setup. Also built and operate Pantau Abu Vulkanik, a real-time public monitoring site, as a solo project. Use AI coding assistants as a regular part of my development workflow.

EXPERIENCE

Frontend Developer - Qonex Indonesia Solusi (Full-time) April 2026 - Present

B2B SaaS platform used by Indonesian property developers to run their sales operations.

- Migrated the leads module from GraphQL to REST API, making it faster and easier to maintain.
- Built real-time lead notifications with Pusher and fixed race conditions between concurrent events.
- Built in-app token purchases for the AI assistant, integrated with the Xendit payment gateway.

Full Stack Developer (Freelance) - Arcandciv October 2023 - June 2025

- Built and deployed arcandciv.com, a corporate website for a client, using Laravel.
- Developed archive.arcandciv.com, a cloud file storage system on AWS S3 with file upload, retrieval and storage management.
- Set up deployment environments and Nginx server configuration to run both sites in production.

Full Stack Developer - PT. Artha Teknologi Mahakarya August 2022 - October 2023

- Designed and developed a web service integrated with NeoFeeder to connect the platform with PDDIKTI, Indonesia's national higher-education database.
- Built features and backend enhancements for Kampuskita.co, an education platform, using Laravel, including a learning management system (LMS) for online courses.
- Implemented file storage integration with Alibaba Cloud OSS for user-uploaded files.
- Fixed production bugs and improved backend stability for Kampuskita.co and Pinvest.co.id.

PROJECTS

Pantau Abu Vulkanik (abu.cikoytew.my.id) - Solo project, non-profit September 2026 - Present

- Designed, built and deployed solo, with AI-assisted development (Claude), a public monitor of volcano alert levels, ash advisories and earthquakes covering 129 Indonesian volcanoes, using free public data (PVMBG, BoM VAAC, GDACS, NASA FIRMS, Open-Meteo).
- Python (Flask) backend on Gunicorn with a WebSocket listener for EMSC and BMKG feeds and Redis rate limiting; vanilla JavaScript and Leaflet frontend, responsive on phone and desktop; hosted on a Linux VPS with systemd, Caddy and Cloudflare.
- Recommended as a free ash-tracking tool in 10+ news articles, including CNN Indonesia, detik, National Geographic Indonesia and Metro TV (September 2026).

TECHNICAL SKILLS

Backend: Laravel, PHP, Python (Flask), REST API development, Redis, Xendit payment integration
Frontend: Vue.js, Vuex, Apollo GraphQL, Pusher, JavaScript, Leaflet, responsive UI
Cloud and storage: AWS S3, Alibaba Cloud OSS
Deployment: Nginx, Caddy, Gunicorn, systemd, Linux server configuration
Tools: Git (GitHub, GitLab), AI-assisted development (Claude)

EDUCATION

Bachelor's Degree, Information Technology - Universitas Budi Luhur 2017 - 2021

Vocational High School, Architecture - SMKN 4 Tangerang Selatan

Algorithm Certification - Universitas Budi Luhur