Medianto Pratama Pentadakosta

Software Engineer | Full Stack Developer

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PROFESSIONAL SUMMARY

Software Engineer with 6+ years of experience in full-stack web and cross-platform mobile development, including mobile team leadership. Builds applications with Next.js, Flutter, and React Native, with backend experience in Python, Node.js, Java, and Go. Experienced in geospatial systems, banking applications, real-time services, cloud infrastructure, and CI/CD.

TECHNICAL SKILLS

Languages and frameworks: Python, TypeScript, Go, Java Spring Boot, FastAPI, Django, Next.js, React, NestJS, Express.js, Flutter, React Native, Laravel

Databases and geospatial: PostgreSQL/PostGIS, MySQL, MongoDB, Redis, GDAL, Rasterio, GeoPandas

Cloud, infrastructure, and tools: AWS, GCP, Firebase, Vercel, Docker, Kubernetes, CI/CD, WebSocket, Kafka, RabbitMQ, Playwright, Postman, Swagger, GraphQL, RESTful APIs

PROFESSIONAL EXPERIENCE

Full Stack Developer

PT. Solusi Transisi Iklim | 2026 - Present

- Re-architected the TruMrv backend from Django to FastAPI and developed the platform across four repositories: a FastAPI/PostGIS backend, Next.js web and admin panels, and an offline-first Flutter field app.
- Implemented geospatial analysis, carbon stock estimation, VCU projections, and automated recommendations.

Technologies: FastAPI, PostgreSQL/PostGIS, GDAL, Rasterio, GeoPandas, Next.js, Flutter, Drift, GCS

Software Engineer

Burpigames Digital Media | 2025 - Present

- Developed a game top-up web platform that automates transactions and delivers purchases directly to customers' in-game accounts.
- Implemented real-time communication and caching to improve performance and speed up the top-up process.

Technologies: NestJS, Next.js, Docker, Firebase, WebSocket, Redis, AWS, Playwright, CI/CD

Full Stack Developer

PT. Tata Informasi Asia | 2025

- Built the initial Django-based TruMrv spatial Decision Support System for PT. Solusi Transisi Iklim, the product owner, before joining the company to continue development in-house.

Software Engineer

PT. Modern Pet Indonesia | 2023 - 2025

- Developed a veterinary booking application using Flutter and Express.js, supporting doctor search, appointment scheduling, in-app payments, and animal medical records.
- Built an application management web platform using Next.js and Go.

PROFESSIONAL EXPERIENCE (CONTINUED)

Full Stack Developer

PT. Infosys Solusi Terpadu | 2022 - 2023

- Bank DKI mobile banking (Flutter): Implemented transaction and biller features, including top-ups, bill payments, ATM cash withdrawals, and deposits.
- Bank Jatim mobile banking (Flutter): Designed interfaces for the splash screen, login, registration, and home screen.
- FIF Super App (React Native): Led the mobile development team as Tech Lead.
- Pospay Indonesia (Java Spring Boot): Developed backend features for cash withdrawals, top-ups, savings plans, loyalty points, and digital wallets.

IT Support

Institut Dayakologi | 2020 - 2022

- Managed database administration, website development, servers, and Wi-Fi infrastructure.
- Contributed to research on Dayak DSA.

FREELANCE PROJECTS

Astra Honda Pontianak

- Developed an inventory loan request web application using Laravel.
- Built a web application to convert and automate workshop reports to Astra headquarters using Next.js and NestJS.

Dinas Ketenagakerjaan dan Transmigrasi Kalimantan Barat

- Created a WordPress company profile website.

Tanjungpura University

- Developed a web application for book purchasing and book publication requests using Laravel.

Pertamina Pontianak

- Built a web application for tank truck inspection requests and SSE asset database management using Next.js and NestJS.
- Created a mobile application for scheduling oil tank control team shift changes using Flutter and NestJS.

EDUCATION

Tanjungpura University

Bachelor of Computer Science, Informatics Engineering | 2016 - 2023