

Alfredo Dwi Putra

Software Engineer | Backend Focus

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[LinkedIn](#) | [GitHub: dwiptrdo](#) | [Portfolio: alfredo.my.id](#)

ABOUT

Software engineer with 2+ years of experience building APIs, event-driven services, and data pipelines in Go and Python. Currently a Full Stack Developer at PT. eBdesk Teknologi, with a strong backend focus and hands-on experience delivering React and TypeScript interfaces, real-time features, and geospatial applications.

EXPERIENCE

Backend / Full Stack Developer (Contract)

Aug 2024 – Present

PT. eBdesk Teknologi · Tangerang Selatan · On-site

- Transitioned to Full Stack Developer in January 2026; began delivering full-stack project features in June 2026, while continuing Go and Python backend development.
- Implemented map layers across optimized queries, backend services, and frontend integration; reduced loading time from approximately 2 minutes with GeoJSON to 5–7 seconds using MVT.
- Delivered running text functionality from backend to frontend, fixed application bugs, and updated card visualizations using React, TypeScript, Tailwind CSS, and Vite.
- Built REST APIs and data pipelines; designed microservice boundaries and centralized API gateway integration.
- Implemented Kafka and RabbitMQ workflows with idempotent workers, dead-letter handling, and backpressure; supported real-time features using WebSocket and SSE.
- Stack:** [Go](#), [Python](#), [React](#), [TypeScript](#), [PostgreSQL](#), [PostGIS](#), [Redis](#), [Elasticsearch](#), [Kafka](#), [RabbitMQ](#), [Docker](#)

Back End Developer (Freelance)

Feb 2024 – Aug 2024

PT. eBdesk Teknologi · Jakarta Selatan · On-site

- Developed REST APIs and backend data processing logic in Python and Go.
- Built web scraping and data cleaning pipelines for automated data collection and preprocessing.
- Contributed to a Python report generation engine producing PDF, PowerPoint, Word, Excel, and CSV reports.
- Stack:** [Python](#), [Go](#), [PostgreSQL](#), [MySQL](#), [MongoDB](#), [Redis](#), [Elasticsearch](#)

Computer Technician (Internship)

Jan 2023 – May 2023

CV. Ide Komputer · Malang, Indonesia

- Diagnosed laptop and desktop faults, installed operating systems, replaced components, performed maintenance, and assembled desktop computers.

PERSONAL PROJECT

Sakuvera — Personal Finance Application

sakuvera.avnora.id

- Built an AI-powered personal finance application with transaction tracking, budgets, debt and receivable management, and CSV, Excel, and PDF exports.
- Developed a web dashboard, backend API, AI service, and messaging bot integrations using Python, Go, and TypeScript.
- Stack:** [Python](#), [Go](#), [TypeScript](#), [FastAPI](#), [Next.js](#), [React](#), [MongoDB](#), [Redis](#), [Docker](#)

SKILLS

Languages: [Go](#), [Python](#), [TypeScript](#)
Databases: [PostgreSQL](#), [PostGIS](#), [MongoDB](#), [MySQL](#), [Redis](#), [Elasticsearch](#)
Messaging: [Apache Kafka](#), [RabbitMQ](#)
Frameworks: [Gin](#), [FastAPI](#)
Frontend: [React](#), [Tailwind CSS](#), [Vite](#); [Next.js](#) (personal projects)
DevOps: [Docker](#), [Kubernetes](#), [GitLab CI](#), [Jenkins](#), [Linux](#), [Amazon S3](#)
Other: [Microservices](#), [REST API](#), [WebSocket](#), [SSE](#), [JWT](#), [GORM](#)

EDUCATION

Universitas Terbuka Bachelor's Degree in Information Systems — In progress	2026 – Present
SMKN 1 Doko Vocational High School Diploma, Computer and Network Engineering	2021 – 2024