Hanif Maliki Dewanto

Senior Software Engineer

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📍 Jakarta, Indonesia

SUMMARY

I'm a passionate and solution-driven software engineer with a strong track record across backend, frontend, and DevOps domains, dedicated to solving complex technical challenges and continuously expanding my expertise by learning and applying new technologies; I prioritize clean architecture, industry best practices, and maintainable code to deliver robust, efficient, and scalable software solutions, and I thrive in collaborative, fast-paced environments where I can contribute meaningfully to building systems that drive real-world impact and long-term value.

EXPERIENCE

Freelance AI Application Developer
GlobalDeal ↗

02/2025 - Present

- Designed and developed an AI-powered SaaS platform to support global business expansion through intelligent data collection and conversational automation
- Built a custom AI agent using OpenAI's GPT models with advanced function calling and structured response handling
- Engineered and fine-tuned prompts to align AI responses with specific business contexts and goals
- Integrated external APIs including SerpApi (Google Search), Prospeo (LinkedIn data enrichment), and Extractor API (web crawling) for real-time business intelligence
- Developed a conversational assistant capable of answering complex user queries using contextual, aggregated data sources
- Exposed AI functionality via secure, scalable RESTful endpoints built on a modular backend architecture
- Implemented subscription management and billing workflows using Stripe's API
- Deployed the solution as a containerized application on Google Cloud Run for automatic scalability and cost-efficiency

Senior Software Engineer
Alterra Bills ↗

08/2024 - Present

- Optimized the performance of a high-throughput bill payment system by analyzing database query efficiency, implementing effective caching strategies, and reviewing system architecture for bottlenecks
- Improved platform security by integrating HashiCorp Vault for secret management, reducing the risk of credential leaks
- Refactored legacy codebase by applying Clean Architecture principles and Dependency Injection, resulting in higher unit test coverage, improved maintainability, and scalable code structure
- Designed and implemented a dynamic Rule Engine to enhance profitability and reliability by scoring billers based on success rate, latency, and margins, and auto-switching to the optimal biller in real time
- Defined and developed an abstraction protocol for integrating new billers and partners, simplifying the onboarding process and ensuring a standardized, partner-friendly interface

Full Stack Developer
Petrosea ↗

08/2022 - 08/2024

- Contributed to multiple digital transformation initiatives for office and mining site operations, improving efficiency and data-driven decision-making
- Designed and developed SaaS applications to optimize mining workflows, including operator-shift assignments and real-time production performance metrics based on parameters like dumping, hauling, and travel time
- Built scalable backend services using Golang (Fiber, GORM) following clean architecture principles, applying design patterns, caching strategies, and query optimizations for high-performance APIs
- Produced comprehensive API documentation using Swagger, enabling smooth collaboration and integration with external systems

- Developed modern, responsive frontend applications using React.js (Next.js), styled with Ant Design, Material UI, SCSS, Emotion, and Tailwind CSS for a clean UI/UX
- Led the migration of multiple applications from on-premises infrastructure to Azure Kubernetes Service (AKS), significantly improving scalability and system uptime
- Implemented CI/CD pipelines using GitLab CI, automated deployments, and enforced secure development practices using Vault (for secrets), Trivy (vulnerability scanning), and SonarQube (code quality analysis)
- Managed daily operations and monitoring of cloud-hosted microservices on Azure, optimizing performance and quickly resolving resource or service issues
- Centralized logging and observability using the EFK stack (Elasticsearch, Fluentd, Kibana) for improved diagnostics, alerting, and operational visibility

Application Developer   09/2021 - 08/2022
MOSTRANS ↗

- Developed a SaaS platform for digital healthcare logistics, enabling real-time coordination between shippers and transporters to streamline medical transport operations
- Built and optimized backend services using Node.js and Golang, integrating GraphQL to address under-fetching and over-fetching problems—significantly improving performance, especially on mobile devices with limited memory
- Designed and implemented modern frontend applications with React.js, leveraging Material UI for reusable and accessible UI components
- Co-created a centralized design system for MOSTRANS frontend projects, published component libraries to NPM, and improved cross-team consistency and development speed
- Developed cross-platform mobile applications using React Native with NativeBase, delivering a smooth and responsive user experience
- Modernized a legacy ASP.NET Core monolithic application by incrementally integrating micro-frontends, enabling modular development and reducing tech debt while preserving the original system

Software Developer   10/2020 - 09/2021
PT Avalogix Mitra Solusi ↗

- Worked with major enterprise clients (Jawa Power, AXA Mandiri, Garudafood, Galderma) to maintain and enhance business-critical applications based on evolving requirements
- Developed and maintained monolithic applications using ASP.NET, with responsive user interfaces built in Vanilla JavaScript and jQuery
- Built low-code solutions using Microsoft Power Apps, Power Automate, and SharePoint, accelerating development timelines and automating business workflows
- Created custom SharePoint widgets with React.js, enhancing UX and adding advanced functionality beyond native SharePoint capabilities
- Led data migration projects from on-prem SharePoint to SharePoint Online, ensuring high data integrity and minimal operational downtime

EDUCATION

Electronics and Instumentation   08/2016 - 07/2020
Universitas Gadjah Mada (UGM) - Bachelor's degree

- Graduated on time with a GPA of 3.46, demonstrating strong time management and a balance between academics, research, and leadership
- Designed a wall stiffness assessment system for the final project using IMU sensors, fuzzy logic, and a PHP-based GUI for real-time data visualization
- Served as President of HMEI (Himpunan Mahasiswa Elektronika dan Instrumentasi) in 2018 and actively contributed to the BEM FMIPA Advocacy Division (2017–2018)
- Won 1st place in the KRTI 2018 (Kontes Robot Terbang Indonesia) in the technology development category with GAMAFORCE, developing a custom flight controller using IMU, GPS, and a Teensy microcontroller

SKILLS

Golang	Expert	Swagger / OpenAPI	Expert
Python	Expert	RabbitMQ	Expert
JavaScript	Expert	Apache Kafka	Expert
TypeScript	Expert	Docker	Expert
Node.js	Expert	Kubernetes	Expert
React.js	Expert	GitLab CI/CD	Expert
Next.js	Expert	Linux	Expert
Vue.js	Expert	PostgreSQL	Expert
React Native	Expert	MySQL	Expert
REST API	Expert	SQL Server	Expert
GraphQL	Expert	MongoDB	Expert
gRPC	Expert	Redis	Expert
OpenAI API	Expert	Git	Expert