

Toni Kusnandar

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Parung Panjang, Bogor, West Java, Indonesia

PROFESSIONAL SUMMARY

Software Engineer with over 10 years of experience in building and scaling cloud-native applications, now actively integrating AI/LLM capabilities into production systems. Strong background in backend engineering (Java, Go, Node.js) with hands-on experience building AI-powered products and developer workflows. Holds several AWS certifications, including AWS Authorized Instructor, bridging software engineering, cloud architecture, and AI integration. Experienced in DevOps practices, CI/CD pipelines, containerization, and infrastructure automation.

CORE COMPETENCIES

- Go / Java / Python
- AWS (5x Certified + Instructor)
- AI/LLM Integration (OpenAI API)
- Docker / Kubernetes (EKS)
- Terraform / IaC
- CI/CD (Jenkins / GitLab CI / Amplify)
- Kafka / Event-Driven Architecture
- PostgreSQL / DynamoDB / Redis
- Observability (OTel / Grafana / Kibana)

WORK EXPERIENCE

mFunnel (Solo Founder) 2025 - Present

Solo Founder & Full Stack Engineer

Built during a career break taken to support my wife through the birth of our son. Used the time to explore ideas and build a product independently.

- Built and launched a SaaS platform end-to-end, covering product design, development, deployment, and maintenance
- Designed full-stack architecture: Angular frontend, Go backend, AWS Lambda, DynamoDB, S3, CloudFront, API Gateway, SQS, Cognito, EC2, Redis
- Integrated OpenAI API for AI-powered content generation features within the platform
- Implemented CI/CD with AWS Amplify for automated deployment
- Integrated Midtrans payment gateway and WhatsApp API

AI Agent & Automation Projects 2025 - Present

AI Agent & Automation Engineer

- Built and deployed a personal AI agent accessible via Telegram, integrating LLM capabilities with messaging platforms for daily productivity
- Developed AI-powered career automation system: job scanning, application analysis, cover letter generation, and pipeline management orchestrated by AI agents
- Implemented multi-modal AI workflows combining web scraping, document generation (PDF), and LLM-based evaluation
- Leveraged AI-assisted development tools (Kiro, Claude, Cursor) to accelerate full-stack delivery across multiple projects

Individual Contractor (Client: BTPNS) Jan 2025 - Sept 2025

Senior Backend Engineer

- Built middleware integration services with Java & Apache Camel, deployed on AWS for secure and scalable transaction processing

G2Academy Apr 2020 - Jan 2025

Sr. Backend Engineer / AWS Instructor

- BTPNS:** Designed integration services using Java (Quarkus) and Apache Camel with Kafka Streams for real-time data processing. Managed 3scale API Gateway. Observability with OpenTelemetry, Kibana, Grafana on OpenShift (OCP)
- Astrapay:** Led two engineering teams integrating payment partners under Bank Indonesia regulations. Java Spring Boot, Angular, Jenkins, GCP
- BRI:** Developed Go (Gin) microservices with gRPC for banking digital transformation on OpenShift (OCP)
- Media Apps DevOps:** Set up AWS cloud infrastructure (EC2, Auto Scaling, RDS, OpenSearch) with CI/CD pipelines via Jenkins
- Telco:** Developed Go-based backend microservices for customer loyalty program with PostgreSQL and Redis
- AWS Instructor:** Delivered official AWS training: Architecting on AWS, Developing on AWS, Technical Essentials, Security Essentials, Cloud Practitioner Essentials. Also delivered Golang classes for engineering teams

PT Garuda Perkasa Teknologi Oct 2019 - Jul 2020

Software Engineer

- **Binghan:** Built RESTful backend with Go (Gin) and Angular frontend on AWS
- **Bhinneka Insurance:** Developed backend services with Node.js (Express) and React.js dashboard on Azure VM

Hi App

May 2019 - Oct 2019

Back End Engineer

- Created chat and social backend services using Go (Gin), PostgreSQL, deployed on AWS ECS

Wmotion

Feb 2019 - Apr 2019

Full Stack Developer

- Designed APIs and Angular dashboards with Go (Gin) and PostgreSQL for integrated F&B platform

NuMoney Exchange

Oct 2018 - Jan 2019

Software Engineer

- Built backend services with Python (Flask) and web interfaces with React.js for crypto exchange platform
- Automated deployment using Docker, Jenkins, and Ansible

BCA Sekuritas

Dec 2016 - Sep 2018

IT Programmer

- Developed scripting services with Python and PHP; created frontend with vanilla JavaScript
- Maintained online trading platform integrated with Indonesia Stock Exchange (IDX). Log monitoring with Shell Script, on-premise deployment, SQL Server
- Built cross-platform ESOP mobile app with Ionic and Angular, published to Google Play Store

PT CNAINDO Teknologi

Jan 2016 - Dec 2016

Programmer

- Developed web dashboards and backend services using Java Servlet, Python, PHP, and JavaScript. Supported trading system migration from C to Python

PROJECTS

OpenClaw AI Agent (Telegram)

Personal AI assistant deployed on Telegram with LLM integration, memory management, tool orchestration, and multi-platform connectivity.

LLM API, Telegram Bot API, AI Agent Framework, Memory Systems

Mini DevOps EKS Demo

End-to-end infrastructure pipeline: Terraform provisioning of EKS cluster with GitHub Actions CI/CD for automated Kubernetes deployments of Go microservice.

Terraform, Go, Kubernetes, GitHub Actions, AWS EKS

Bumikertaku - Property Web Platform

Digital platform for a real estate developer to showcase housing projects and streamline customer acquisition. Built with Angular, deployed via AWS Amplify with S3 hosting.

Angular, Amplify, AWS S3, GitHub

EDUCATION

Bachelor's Degree in Informatics Engineering - Universitas Pamulang

2017

LANGUAGES

Bahasa Indonesia (Native) English (Professional Working Proficiency)

CERTIFICATIONS

AWS Authorized Instructor

AWS Solutions Architect Associate

AWS Developer Associate

AWS SysOps Administrator Associate

AWS Cloud Practitioner

SKILLS

Languages: Go, Java, Python, TypeScript, JavaScript, Shell Script

Frameworks: Gin (Go), Spring Boot (Java), Flask (Python), Express.js (Node.js), Angular

AI/LLM: OpenAI API, LLM Integration, Prompt Engineering, AI Agent Development, AI-assisted Development

AWS: Lambda, ECS, EC2, EKS, S3, RDS, DynamoDB, API Gateway, CloudFront, Cognito, SQS, CloudWatch, Auto Scaling, Amplify

Cloud (Other): Azure VM, GCP **Infra:** Terraform, AWS CDK **CI/CD:** Jenkins, GitLab CI, GitHub Actions, AWS Amplify, Ansible

Containers: Docker, Kubernetes (EKS), OpenShift (OCP) **Messaging:** Kafka Streams, Apache Camel, AWS SQS

Databases: PostgreSQL, MySQL, DynamoDB, Redis, SQL Server, OpenSearch **Monitoring:** CloudWatch, Grafana, Kibana, OpenTelemetry

Architecture: REST API, gRPC, Microservices, Event-driven Systems, Cloud-native Design