

# Josua Golden Umboh

Product Engineer

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## SUMMARY

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Product engineer who builds hands-on and owns delivery end-to-end, from client requirements through to production. Practical experience integrating LLM and GenAI features into real applications, deploying models in production, and configuring infrastructure from scratch. Works across the full stack, picks up new domains quickly, and pairs engineering with product ownership and operations experience. Does best work in small, fast-moving teams.

## EXPERIENCE

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### Founder & Lead Engineer

Jan 2026 – Present

*Elpis Tech (Independent Software Consulting) · elpistech.work*

- Deliver client software end-to-end as sole builder, from requirements and architecture through to production, choosing cost-efficient solutions matched to each client's actual needs.
- Built a donation platform for a US-based non-profit with an internal CMS and automated annual contribution statements for tax deductions, configuring infrastructure, privacy and legal groundwork, and IRS-requirement research, reporting directly to the client executive.
- Built Elpis Junior, an automation tool that turns natural-language messages into structured GitHub issues and pull requests, removing a repetitive manual workflow.

### Founder – Product & Engineering

Apr 2026 – Present

*Patih (Consumer AI Product) · patihcopilot.com*

- Built and launched a consumer product end-to-end as sole owner, covering product direction, engineering, and go-to-market.
- Built an LLM chatbot using function calling to update a user's resume, embedding a GenAI feature directly into a live application.
- Made deliberate cost and accuracy trade-offs, including a rule-based matching approach that handled most cases without model calls, keeping the product economical at scale.

### Software Engineer

Mar 2025 – Dec 2025

*Datasaur AI (YC W20) · Remote · datasaur.ai*

- Integrated LLM models in production and deployed and managed a classification model for data labeling, hosted on Hugging Face and Amazon SageMaker.
- Built reliable backend services in a microservice architecture, including retry mechanisms, request throttling, and Server-Sent Events (SSE) for long-running, real-time workflows.
- Worked cross-functionally with AI engineers and stakeholders to scope features and prioritize platform improvements.

### Operations Management Officer – Computer Lab

Sep 2023 – Feb 2025

*BINUS University – Software Laboratory Center · Jakarta*

- Primary real-time decision-maker for operational issues during peak periods, coordinating engineering and network teams and balancing reliability, stakeholder needs, and infrastructure constraints across 4 campuses.
- Led pre-exam stress testing and capacity planning to ensure reliable peak-load operations.

## TECHNICAL SKILLS

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**AI & GenAI:** LLM integration and function calling, GenAI product features, prompt engineering, model deployment (Hugging Face, Amazon SageMaker), classification models

**Cloud & Infrastructure:** AWS (Cloud Practitioner certified; hands-on EC2, RDS, Route 53 at developer scale), Docker, Linux, REST APIs, SSE, CI/CD

**Languages & Data:** Python, Go, TypeScript, Java, JavaScript, PostgreSQL, MySQL, MongoDB

**Product & Operations:** End-to-end delivery, product ownership, requirements, analytics (PostHog), operations and stakeholder coordination

## EDUCATION

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**B.Sc. Computer Science, BINUS University** (GPA 3.86 / 4.00)

Sep 2021 – Aug 2025