I Made Juli Astawa

Backend & DevOps Engineer

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SUMMARY

Fifth-semester Informatics student who builds backend systems in Go and Python and runs the servers they live on. Writing code since 2022 and shipping real projects since 2025, including a ticketing platform with 8,000+ registered users. Looking for a team where I can go deeper into infrastructure and DevOps, and learn how business processes shape the systems behind them.

EXPERIENCE

Backend Developer Intern · CV Maximum Inovasi Solusi — Aug 2026 – Dec 2026

Internship · Backend & DevOps

- Develop backend services and REST APIs for the company's client projects.
- Provide and maintain the team's development server on my self-hosted homelab (Proxmox, Docker), handling environment setup and deployments.

Backend Developer · Zentix (zentix.id) — 2025 – Present

Team of 5 · Python, FastAPI, MySQL

- Own the backend of a live concert and campus-event ticketing platform with **8,000+ registered users**: accounts, events, ticket orders and payments.
- Integrated the iPaymu payment gateway to generate QR payments at checkout.
- Added API rate limiting that keeps the service stable during on-sale traffic spikes.
- Built an admin-configurable stock buffer so online sales can never exceed the physical wristband supply.

PROJECTS

Campus LMS (LMS SIPUT-OBE) · Backend & DevOps — 2026 – Present

Go, Fiber, PostgreSQL, Redis, Docker, MinIO

- Building the API for courses, assignments, quizzes and discussions, generated from each course's semester plan and synced with the campus OBE system.
- Set up the infrastructure: Docker containers, a Redis queue and self-hosted S3-compatible object storage (MinIO) for a target of about 7,000 students and 100 lecturers.

Proxmox Homelab · Personal infrastructure — Ongoing

Proxmox, Linux, Docker, Tailscale, CI/CD

- Run Linux VMs and Docker containers on Proxmox, reached over Tailscale, with CI pipelines for deployments.

Tiss Valley (tissvalley.com) · Frontend Developer — 2026

Next.js

- Built the page for Rassa, the upcoming restaurant on a direct-booking site for a Bali wellness retreat.

INSTIKI Developer Club Website · Frontend Developer — 2026

Next.js

- Built the club's website from the landing page to its activity pages.

ORGANIZATION

Mentor, AI & Data Division · INSTIKI Developer Club — 2026 – 2027

Chairman · INSTIKI Developer Club — 2025 – 2026

SKILLS

Programming: Go, Python, PHP, JavaScript

Data: PostgreSQL, MySQL, Redis

Frontend: React, Next.js, Astro, Tailwind CSS

Languages: Indonesian (native), English (professional)

Backend: FastAPI, Fiber, Laravel, REST API design

Infra & DevOps: Linux, Docker, Proxmox, Nginx, Tailscale, CI/CD, MinIO

Tools: Git, GitHub

Focus: Backend, infrastructure, DevOps

EDUCATION

Institut Bisnis dan Teknologi Indonesia (INSTIKI) — 2024 – Present

Bachelor of Informatics Engineering · 5th semester · GPA 3.98 / 4.00 (through semester 4)

SMK TI Bali Global Klungkung — 2020 – 2023

Software Engineering (Rekayasa Perangkat Lunak)