William *Antoline.*

Software engineer building backend systems, AI agents, and SaaS platforms, with a habit of never stopping learning.



FIG. 1 · THE AUTHOR

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AVAILABILITY
Open to relocation anywhere and to remote work in any time zone

i. PROFILE

Four years building backend systems, AI agents, and SaaS platforms. At **Boon AI**, a California construction-AI company, I build AI agents and the takeoff and estimating platform behind them for US contractors. Before that I was a hands-on backend lead at **Springkraf**, leading 8 engineers while still coding most of the time. I work daily with US teams across time zones.

ii. EXPERIENCE

Boon AI · *Software Engineer*

JUL 2025 – PRESENT

CALIFORNIA, USA · REMOTE · AI PLATFORM BUILT SPECIFICALLY FOR THE CONSTRUCTION INDUSTRY

- Built AI agents for construction teams, delivered through Slack, with automated provisioning, scheduled and event-triggered skills, and a visual workflow builder.
- Built automated quantity takeoff across construction trades and the cost estimation platform on top of it, including an interactive takeoff canvas, estimating-tool importers, and cost comparison.
- Built the blueprint annotation platform and synthetic data pipeline for computer-vision takeoff models.
- Built usage-based LLM billing and subscription plans integrated with Stripe, among other products and internal tools.
- Own products end to end across engineering and product management; lead project teams and run technical interviews.

ii.

EXPERIENCE, CONT.

Springkraf · *Lead Backend Engineer*

JUL 2024 – JUL 2025

MEDAN, INDONESIA · ONSITE · SOFTWARE DEVELOPMENT AGENCY

8	~80%	~10	5
ENGINEERS LED	TIME CODING	CLIENT PROJECTS	HIRES FROM 10

- Led 8 backend engineers as a hands-on lead, spending ~80% of my time writing production code for client products.
- Shipped and maintained ~10 client projects plus internal infrastructure.
- Built shared communication infrastructure (OTP) used across client projects, serving high load with low downtime and high performance.
- Made high-level technical decisions; reviewed architecture, plans, and code across every project.
- Ran performance reviews for all backend engineers; interviewed 10 candidates and hired 5.

Springkraf · *Backend Engineer*

MAR 2022 – JUL 2024

MEDAN, INDONESIA · ONSITE

Shipped and maintained ~7 client products, improving code quality, speed, and uptime. Selected work:

BEAUTY Booking and management platform for one of Indonesia's largest barbershop franchises

80	50k+	~1,000
BRANCHES · 14 CITIES · ID + PH	APP DOWNLOADS	BOOKINGS / OUTLET / MONTH

TRANSPORT	Voyage ticketing system, ~3,000 tickets daily, 6+ Indonesian bank integrations	FINTECH	Forex commerce app
FITNESS	Member and admin apps for a gym	TRAVEL · RETAIL	Tour admin app; furniture store apps

Independent · *Programming & Public Speaking Tutor*

NOV 2022 – PRESENT

MEDAN, INDONESIA

- Taught Python programming, web development, and general IT to 8 students; several went on to study computer science.
- Coached 9 students in communication, storytelling, and public speaking.

iii. PROJECTS

ATTENDANCE SYSTEM

Hadir

Replaced handwritten attendance books and manual reward-point calculation for a 120+ member organization. ~200 check-ins daily across multiple admins.

EVENT WEB APP

Temple Stay Season 3

All-in-one site for a four-day temple program for children aged 8 to 13: registration for 108 participants and 40 committee members, event info, and donations.

IOT

Aegis

Automatic attendance for schools and campuses. Students are logged as soon as they enter the school area.

IOS APP

Quartz

Focus and productivity app that limits screen time and trains attention through focus games.

LENDING APP

Lemari

Members-only book-lending app. Members browse my personal library and request loans.

PKM-FUNDED APP · 2023

Trivajob

Application funded through Indonesia's national Student Creativity Program (PKM).

iv. EDUCATION

SEP 2021 – FEB 2025 · MEDAN

Universitas Mikroskil

B.Sc. Computer Science

3.97 / 4.00 GPA

FEB 2026 – PRESENT · BALI

Apple Developer Academy

Learner, 2026 Cohort

Fully funded scholarship program by Apple, training developers across software, design, and professional skills.

v. HONORS

ICPC Asia Jakarta Regional, Finalist	2022 · 2023 · 2024
GEMASTIK Programming Division, Finalist	2023 · 2024
COMPFEST Senior Competitive Programming, Finalist	2023
Student Creativity Program (PKM), Funding recipient for Trivajob	2023
First Year Scholarship, Universitas Mikroskil	2021

vi. SKILLS

LANGUAGES	Go, Ruby, TypeScript, Python, Rust, PHP, Swift, C++
FRAMEWORKS	Ruby on Rails, Node.js, Express, FastAPI, Django, Laravel, React, Next.js, Tailwind CSS, SwiftUI
DATA	PostgreSQL, MySQL, SQL Server, MongoDB, Redis, Elasticsearch, Supabase, SQLite, Kafka, RabbitMQ
CLOUD & DEVOPS	AWS (EC2, S3, RDS), GCP, Docker, Kubernetes, Terraform, GitHub Actions, Nginx, Linux, Datadog, Grafana, Sentry
AI	AI agents, MCP, LLM gateways, OpenAI and Anthropic APIs, OCR / PDF parsing, synthetic data
PRACTICES	System design, microservices, distributed systems, REST APIs, OAuth / JWT, background jobs, testing, Agile / Scrum
PRODUCT	Product management, Stripe billing, Figma, product and graphic design

vii. LEADERSHIP, LANGUAGES & CERTIFICATES

BUDDHIST YOUTH ORG · 120+ MEMBERS

PMV Vidya Vajra Ganda

Advisors Committee
Jan 2025 – Present

President
Jan 2019 – Dec 2020

SPOKEN

Indonesian	Native
English	Fluent
Mandarin	Intermediate

HSK 4

CERTIFICATES

CPS
Certified Public Speaking

CBNsc
Certified Basic Neuroscience