

FAISHAL WAHIDUDDIN

Founding CTO · Hands-on AI Engineering Leader

+62 812-9090-6002 · faishal.wahiduddin@gmail.com

faishalwahiduddin.com · LinkedIn · GitHub

Jakarta · UTC+7 · US-remote (EST/PST overlap) · No sponsorship required

EXECUTIVE SUMMARY

Engineering leader with 10+ years building software and 5+ years as CTO, across construction-tech, mental health, and SaaS. Most recently founding CTO at AutoKon (Jan 2025 – Jul 2026), shipping a production B2B platform that serves **thousands of housing units nationwide across 3 timezones** and gates contractor payments on photo-verified progress. Previously led a 20+ team at DoCheck (30% faster delivery, 20% lower infrastructure cost) and a 10+ team at Wool, where an AI-analytics platform secured the company's first enterprise partnership with a state-owned enterprise — built and led teams from first hire to 20+, the 5→50 scaling range most growth-stage companies are actually solving for.

Fulbright Scholar (M.S. Computer Science, University of Central Florida, GPA 3.90). Works across system design, AI orchestration (Claude Code, n8n, multimodal VLM), and secure cloud architecture, with a focus on connecting technical work to go-to-market outcomes.

CORE COMPETENCIES

- **AI & Automation:** Generative AI, LLM integration (Anthropic Claude, OpenAI, Gemini), multimodal VLM, RAG, vector databases (Pinecone), image analysis pipelines, n8n, Botpress, Hermes/OpenClaw, Arize AX, LLM-as-judge evaluation, prompt engineering, LLM evaluations and guardrails
- **Engineering Leadership:** Product roadmaps, cross-functional team leadership, hiring and team scaling, agile/Scrum (CSM), CI/CD, async-first remote ops, stakeholder management
- **Cloud & Architecture:** AWS, Vercel, Supabase, GCP, Azure, microservices, serverless, event-driven architecture, API + webhook orchestration
- **Security & Compliance:** End-to-end encryption, OAuth 2.0, JWT, RBAC, RLS, audit logging, data protection
- **Languages & Frameworks:** TypeScript, Python, Node.js, Next.js, React, NestJS, Express, FastAPI, PHP, Laravel, GraphQL, REST · English (fluent) · Bahasa Indonesia (native)

PROFESSIONAL EXPERIENCE

AutoKon Pte. Ltd. — B2B Construction-Tech

January 2025 – July 2026

Founding CTO

Remote

- Built and shipped a full-stack production B2B platform solo (Next.js 16, Supabase, TypeScript) serving **thousands of housing units nationwide across 3 timezones** — field construction photos become verified progress data that gates contractor disbursements.
- Deployed VLM-based image analysis (Anthropic Claude Opus Vision, Pinecone vector retrieval) for construction progress verification and defect detection from field photos.
- Shipped a production LLM-as-judge evaluation pipeline (Arize AX, version-controlled autokon-evals) — vision judges score AI photo descriptions for groundedness and completeness, calibrated to $\kappa \geq 0.80$ before results gate contractor payment.
- Built WhatsApp-first data entry (n8n, Botpress) so field workers submit photos directly from job sites instead of through a manual portal.
- Deployed TARA AI on a self-hosted agent VPS, with two conversational gateways (Hermes, OpenClaw) over WhatsApp and Telegram for identity-gated capture, and Arize OpenInference for agent tracing.
- Ran a multi-instance self-hosted n8n setup — separate app and ops stacks on a dedicated VPS (Docker, Caddy) alongside n8n Cloud STG/PRD, with version-controlled workflow JSON and staging-to-production promotion guardrails over the Opname/BASTP financial approval chain.
- Designed a 5-role approval workflow (field worker, site manager, project manager, finance, owner) with 2-step photo-evidence approval (Opname/BASTP) before payment release.
- Owned the full stack solo: product, architecture, code, cloud (Supabase, Vercel), a self-hosted VPS mesh (agent VPS, dual n8n stacks, Prometheus/Grafana over WireGuard), CI/CD, and observability.

Wool — B2B Mental Health Platform

July 2023 – December 2024

Chief Technology Officer

Remote

- Secured the company's first enterprise customer, leading cross-functional delivery of the Dynamic Mental Health Point (DMHP) AI-analytics system to a state-owned enterprise (BUMN) partner.
- Launched a web-based Enneagram psychotest platform, reducing assessment cycle time **90%** versus the paper-based process it replaced.
- Implemented enterprise-grade platform controls (end-to-end encrypted messaging, audit logging, role-based access control), reviewed by a certified professional, for regulated patient communications in a sensitive-domain product.
- Built a secure cloud foundation for protected patient data and real-time clinician-patient interactions, including AI-powered sentiment analysis.

DoCheck — SaaS Productivity Platform

May 2021 – July 2023

Chief Technology Officer

Bandung, Indonesia

- Increased user task completion **25%** by leading concept-to-launch integration of AI-powered task generation and prioritization.
- Cut infrastructure cost **20%** within the first quarter via AWS serverless migration (Lambda, DynamoDB, RDS optimization).
- Accelerated engineering velocity **30%** through Agile execution discipline, CI/CD pipeline upgrades, and AI-assisted sprint planning and code review.
- Improved SEO and technical-content performance: Domain Authority rose from 5 to 53 and Domain Rating from 2 to 54 within 6 months.

University of Central Florida

July 2019 – May 2021

Graduate Research Assistant

Orlando, FL, USA

- Published a Master's thesis in cybersecurity and high-performance computing as part of ongoing academic research (UCF Electronic Thesis and Dissertations).
- Spent two years in the US on a **Fulbright Master Degree Scholarship**.

Universitas Padjadjaran

2016 – 2019

Teaching Assistant · Concurrent: Software Engineer (Freelance)

Bandung, Indonesia

- Taught and supported undergraduate Informatics courses as a Teaching Assistant in the Department of Informatics.
- Built freelance software projects across multiple client domains alongside TA responsibilities.

Microsoft

September 2014 – June 2016

Microsoft Student Partner

Bandung, Indonesia

- Mentored **100+ student developers** in mobile development; 30+ apps reached the marketplace through the program.
- Ran technical workshops to support Microsoft platform adoption on campus.
- Promoted Microsoft Virtual Academy learning programs.

EDUCATION

University of Central Florida

2019 – 2021

Master of Science in Computer Science — GPA: 3.90/4.00

Orlando, FL

- Specialized in Computer Architecture and High-Performance Computing. **Fulbright Scholar**.
- Active in **AI@UCF (Artificial Intelligence Group)** — applied AI/ML projects in UCF's student AI research community.

Ohio University

2019

Intensive English Program

- Academic English proficiency — speaking, writing, listening, and reading for US graduate study. US academic and cultural competency. CEA-accredited (one of the leading university English programs in the US).

Universitas Padjadjaran

2012 – 2016

Bachelor of Science in Informatics — GPA: 3.88/4.00 (Top 5%)

Bandung, Indonesia

- **President of Computer Science Student Association**.
- Nominated for **Most Outstanding Student** (university level).

CERTIFICATIONS & AWARDS

- **Gemini Certified Educator** — Google, 2026 | Credential ID: 172028089
- **Certified ScrumMaster (CSM)** — Scrum Alliance, 2023 | Credential ID: 1380153
- **AWS Certified Cloud Practitioner** — Amazon Web Services, 2022 | Credential ID: 6X9LLBKBKBV1Q25B
- **Fulbright Master Degree Scholarship** — U.S. Department of State, 2019–2021