

Professional Experience

Jack & Transfez — Indonesian fintech remittance app, backed by YCombinator and East Ventures

Lead Software Engineer

Aug 2023 - Present

Hands-on technical lead: ~70% IC work (backend systems, AI infrastructure), ~30% engineering leadership. Direct report to CTO.

- Architecture & Cost Optimization:** Engineered a decoupled Marketing Engine for growth features, improving system agility while reducing infrastructure costs by **150M++ IDR/year**.
- Reliability & Quality:** Directed QA roadmap and SDLC across distributed B2B and B2C services — maintained B2B error rates below 10% and B2C below 1% in production.
- AI & Backend Infrastructure:** Built the company's AI stack from zero to production — Hybrid Search, RAG pipelines, LangGraph-based agentic workflows, and MCP integrations.
- Team Scaling:** Grew engineering team from scratch — 20+ full-time engineers, 10+ interns, 100% post-probation retention.

Senior Software Engineer

Aug 2022 - Jul 2023

- Automation & Reliability:** Built API testing suites and QA automation that saved **500+ engineer-hours per month**, increasing deployment velocity across distributed backend services.
- Backend Development:** Led end-to-end development of Subscription modules, Workflow Approvals, and Jack Notification systems for the B2B suite — complex financial workflows built for production scale.

Software Engineer

Apr 2021 - Apr 2022

- Verification Systems:** Engineered automated verification logic (Auto Payment & EDD) to accelerate transaction processing while maintaining strict financial compliance.
- Growth Features:** Built and launched the company's first B2C acquisition and retention systems — Affiliate, Referral, and Loyalty programs — where no acquisition channel had existed previously.

PT. Sazanka Henig Solusi — Digital transformation agency for enterprise manufacturing and automotive-supply-chain clients

Software Engineer (Freelance)

Jan 2025 - Jun 2025

- Backend Development:** Delivered roughly half the backend codebase for a supply-chain compliance platform for automotive parts manufacturers, including role-based access control and company-scoped data filtering across approval workflows.
- Document & Workflow Automation:** Built PDF/Excel export pipelines for compliance documents (Certificate of Origin, packaging specifications), automated email notification/approval-routing logic, and legacy-data migration tooling for suppliers moving off manual paper records.

Luxury Fashion Retail Company — Trusted Indonesian marketplace for pre-owned luxury goods (+150k followers)

Project Owner (Freelance)

Jan 2023 - Oct 2023

- End-to-End Delivery:** Orchestrated the digital transformation of a **500M++ IDR** project, successfully launching a synchronized ecosystem (Website, Mobile App, OMS, and WMS) with a **100% on-time** delivery record.
- Technical Leadership & Execution:** Directed a cross-functional team of 6 developers while contributing 50% of the backend codebase, ensuring high architectural standards throughout.

Garuda Maintenance Facility (GMF) AeroAsia & PT LAPI ITB — Aerospace Engineer

2016-2018

Education & Training

The University of Manchester

2018 - 2019

Postgraduate - Aerospace Engineering (*Fully funded by LPDP*)

Institut Teknologi Bandung

2012 - 2016

Undergraduate - Aeronautics and Astronautics Engineering

Hacktiv8 Bootcamp

Backend Golang Bootcamp ([Teacher's Award](#) 99.70/100)
Full Stack JavaScript Program ([Honors Graduate](#) 92.62/100)

Skills

Languages: Golang, TypeScript, JavaScript, Ruby, Python
Frameworks: Node.js, Express, Gin, Ruby on Rails
AI Tools: Claude Code, Gemini, Cursor
Databases: PostgreSQL, Redis, Elasticsearch, MongoDB
Cloud & Infra: GCP, RabbitMQ, Docker
AI / ML: LangChain, LangGraph, Opik, N8N, MCP
Testing & Analytics: Cypress, K6, Metabase
Leadership: Engineering Management, Technical Recruitment, Product Strategy, Engineering Culture