

Derrick Tantra

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Objective

A software engineering graduate and business owner who builds the systems his own companies run on. Founded an AI automation practice that has delivered a paid client engagement and an online course with a paying cohort of students, while co-owning two F&B businesses. Comfortable moving between writing and deploying production software, teaching it to others, and taking responsibility for operations, finance, and a team.

Education

- **Prasetiya Mulya University** **2022 – 2026**
School of Applied Science, Technology, Engineering, and Mathematics
Degree : S.Kom (Bachelor of Computer Science), Software Engineering
GPA : 3.28
- **SMA Kolese Kanisius** **2019 – 2022**
Major : Science

Skills

- Language Skills
 - Indonesian (Native)
 - English (Fluent)
 - Chinese (Proficient)
- Programming & Web
 - JavaScript / TypeScript (Advanced)
 - Next.js / React (Advanced)
 - Node.js (Advanced)
 - HTML / CSS / Tailwind (Advanced)
 - Python (Intermediate)
 - SQL (MySQL, SQLite, PostgreSQL) (Intermediate)
- Infrastructure & Tools
 - Linux VPS, nginx, pm2, SSH (Intermediate)
 - Git / GitHub (Intermediate)
 - Prisma ORM, REST API integration (Intermediate)
 - AI agent platforms & workflow automation (Advanced)
 - Multi-agent orchestration, MCP integration, bot deployment (Advanced)
- Business & Design
 - Microsoft Excel (Advanced)
 - Figma (Advanced)
 - Canva (Advanced)
 - Financial reporting & analysis (Advanced)

Projects

- **HJP ERP System**

December 2025 – March 2026

- Custom enterprise resource planning system that digitises end-to-end operations of a plastics manufacturing company; live in production.
- Modules span master data, purchasing and inventory, production work orders and machine assignment, sales orders through invoicing, finance, and HR payroll.
- Implemented industry-specific logic: production recipes that enforce precise raw-material draw, scrap (aval) tracking so recyclable waste re-enters inventory without data loss, and automated cost-of-goods calculation per production batch.
- Stack: Next.js (App Router), TypeScript, Prisma ORM, MySQL, TailwindCSS, with a modular codebase separating API, feature modules, and shared utilities.

Hosana Jaya Plastik

- **BBC POS — Point of Sale & Accounting System**

February 2025 – Present

- Designed and built the point-of-sale and accounting system used daily in live cafe operations at pos.bigbrewcoffee.id.
- Also submitted as the final-year undergraduate thesis project, and now running in production rather than as a prototype.
- Implemented payroll covering per-shift and monthly wages, overtime, meal allowance, and late deductions.
- Stack: Next.js, TypeScript, Node.js, MySQL, Prisma; self-deployed on a Linux VPS with nginx and pm2.

Big Brew Coffee

- **AI Property Management System**

March 2026 – Present

- Delivered an AI-assisted property management system spanning seven departmental modules: sales and customer service, administration, finance, tenant relations, marketing, human resources, and operations.
- Ran the operational audit and gap analysis that defined the scope before implementation.
- Built a client dashboard and automated reporting workflows, now reused as the template for subsequent clients.
- Koko AI's first paid consulting engagement; currently in delivery.

Bumi786 Property

- **OpenClaw — Self-Hosted AI Agent Platform**

2026 – Present

- Operate a self-hosted AI agent platform as the automation backbone for both own businesses and client delivery.
- Multi-agent orchestrator-subagent architecture with task delegation, persistent multi-turn sessions, and long-term memory.
- MCP server integration, Telegram bot deployment, and around twenty scheduled workflows covering briefings, digests, and reporting.
- Deployed headless on a Mac Mini and a Linux VPS, integrated with Telegram, WhatsApp, Trello, and Google Workspace.

Koko AI

- **Saturn Bot - Solana Wallet-Tracking Signal Bot**

August 2024 – October 2024

- Built and deployed a production Telegram bot that monitors dozens of Solana wallets in real time, parsing on-chain SPL-token transactions to

Personal Product

detect buy and sell activity and broadcast trading signals; served 28 paying subscribers.

- Engineered a 30-second polling engine with concurrency control and multi-RPC failover, tracking over 4,600 tokens and 12,000 buyer records.
- Computed live holdings, market capitalisation from on-chain supply and live pricing, and return since first call, with an automated milestone tracker up to 1000x that threads updates onto the original signal.
- Designed a tiered freemium notification system across free, pro, and OG channels plus a private subscriber group, with referral-linked trading buttons as an additional revenue stream.
- Implemented rate limiting with exponential backoff and concurrency-safe state using mutexes, file locking, and deduplication to prevent duplicate alerts.
- Stack: Node.js, Telegraf, @solana/web3.js, Metaplex, Jupiter Price API, Tatum, JSON persistence with file locking.

- **Koko AI Academy - Course Platform**
2026

Koko AI

- Built a self-hosted online course platform: authentication, tiered access, video delivery, payment gateway, and referral system.
- Stack: Next.js, Prisma, PostgreSQL, Bunny Stream, Duitku payment gateway.

Organization / Work Experiences

- **Founder**

Koko AI

March 2026 – Present

- Founded an AI automation practice that designs and deploys self-hosted AI agent systems for business operations.
- Closed and is currently delivering the first paid client engagement, valued in the tens of millions of rupiah, with further prospects at quotation stage.
- Grew an audience of 2,000+ followers on both TikTok and Instagram as the primary client acquisition channel.
- Launched Koko AI Academy, a 12-module online course on business automation, with 29 paid enrolments and a waiting list of over 150.
- Designed and operate a production multi-agent system running around twenty scheduled workflows with persistent memory, integrated with Telegram, WhatsApp, Trello, and Google Workspace.
- Brought on a partner and coordinate delivery work across client projects.

- **Co-Owner**

Koto Koto

March 2026 – Present

- Co-founded a Japanese restaurant and took it from concept through grand opening, covering fit-out, licensing, menu development, and staffing.
- Recruited and onboarded a team of sixteen across kitchen, service, and stewarding, and drafted employment contracts in line with Indonesian labour regulation (PP 35/2021).
- Own monthly financial reporting: cash flow, categorised income and expenses, cost of goods sold, and break-even analysis.
- Manage payroll, service charge distribution, and BPJS employment registration for all staff.
- Negotiate with vendors and suppliers on procurement, pricing, and delivery schedules.

- Established operating procedures for cleanliness, discipline, and recipe consistency, and run a recurring staff peer-review cycle.
- Built the internal software the team uses daily, including the staff peer-review platform and table QR ordering system.

- **Co-Owner**

Big Brew Coffee

February 2025 – Present

- Managing daily financial operations and maintaining accurate cash flow records.
- Organizing team schedules and supporting human resource functions.
- Designing and overseeing operational planning to ensure smooth business activities.
- Coordinating cross-functional tasks to maintain workflow efficiency.
- Summarizing team progress and compiling regular internal reports.
- Facilitating team meetings for evaluation and forward planning.
- Contributed to business development by formulating strategies for customer retention, revenue allocation, and growth opportunities.
- Supported the marketing team in brainstorming and shaping brand and promotional strategies to enhance customer engagement.

- **Software Engineer Intern**

Titipku

August 2025 – December 2025

- Contributed to the codebase of a grocery e-commerce platform across frontend and backend features.
- Handled bug fixing and performance improvements while working within an agile team.

- **Vice President**

The Blue Merchant

August 2024 – June 2025

- Collaborated with the Executive Board to design and plan the production of three apparel volumes for sale.
- Initiated and organized a plenary meeting to formally introduce the organization to all members.
- Oversaw the implementation of strategic plans throughout the apparel development process.
- Monitored production progress and ensured alignment with design and quality standards.
- Provided constructive feedback and revisions to improve outputs and address any issues during execution.

- **Coordinator Advanced Module Facilitator**

Prog{r}amming 6.0

November 2023 – July 2024

- Led team to create modules for participants.
- Taught participants to create a UI/UX design using Figma.

- **Project Officer Operation**

The Blue Merchant

October 2023 – July 2024

- Oversaw Store Management and Merchandise Management divisions, reporting to the executive board.
- Led the planning and production of Volume One merchandise, including T-Shirts, Shorts, and Knitted Vests.
- Managed end-to-end production: sourcing vendors, negotiating prices, and ensuring timely delivery.
- Resolved quality issues under tight deadlines while maintaining strong overall sales performance.

- Fostered a productive and supportive working environment to ensure efficient division performance.

- **Coordinator Liaison Officer**

October 2023 – July 2024

- Coordinated Liaison Officer.
- Arranged the Liaison Officer Booklet.
- Created training materials for Liaison Officers.
- Trained Liaison Officer to be compatible in leading event participants.

ICN

- **Basketball Division**

September 2023 – December 2023

- Made brackets and planning the matching system
- Found participants for the event
- Became referee for almost every basketball match
- Took care of score board and stop clock

Liga Prasmul

- **Lodestar**

May 2023 – December 2023

- Became a mentor and role model for new students of Universitas Prasetiya Mulya

Prasmul Elevate Program

- **Basketball Division**

November 2022 – June 2023

- Made brackets
- Decided the tournament system
- Found contestants

ASA League

- **Master of Ceremony of Youth Christmas 2022**

December 2022 – December 2022

- Led a Christmas event by being the Master of Ceremony

PD Lumina Gracia

- **IT Support Internship**

January 2023 – February 2023

- Took care of database using Microsoft Excel and MyOrion (company's program)
- Helped fixing electronics
- Helped audit sales in person

PT CLTM

- **Basketball Division**

October 2019 – October 2019

- Took care of the scoreboard
- Took care of scoresheet

Canisius College