

DAVIN PUTRA FIBRIAN

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SUMMARY

Full-Stack Engineer & Blockchain Developer with a production track record across Web3 infrastructure, AI-integrated systems, and scalable web applications. Architected and deployed BatikChain, an Ethereum-based ERC-721 authentication platform, and engineered AI content pipelines integrating Google Gemini and LLM prompt engineering. Proficient across the full stack — React, Next.js, TypeScript, FastAPI, Solidity — with active focus on smart contract security (OWASP), decentralized application design, and LLM integration at production scale.

FEATURED PROJECTS

BatikChain — Blockchain Product Authentication Platform

Oct 2025 – Dec 2025

- Led blockchain architecture as **Blockchain Lead** in a 2-person team, representing ZYNTRA at **Infinity Hackathon OJK 2025** — a national-level competition under Indonesia's Financial Services Authority (OJK) focused on the creative economy sector.
- Architected and deployed a decentralized product authentication platform on the Ethereum blockchain targeting Indonesia's artisan batik industry.
- Designed and audited **ERC-721-based Solidity smart contracts** enabling immutable on-chain product registration, metadata storage, and provenance tracking.
- Built a **React / Next.js** frontend integrated with **Ethers.js** for real-time contract interaction and QR-code-driven consumer verification.
- Enforced Ownable access control patterns and validated contract logic against reentrancy and integer overflow vectors per OWASP smart contract standards.

ReLife RPG — AI-Powered Gamified Life Tracker

Jan 2026 – Mar 2026

- Designed and shipped a full-stack gamified life-tracking application (**React + TypeScript + Vite**) backed by **Supabase PostgreSQL**, enabling users to log daily journal entries analyzed in real-time by Google Gemini 2.5 Flash AI.
- Engineered a structured **LLM prompt pipeline** in gemini.ts that parses unstructured natural language into typed stat-delta objects, feeding a real-time leveling engine with title and class unlock logic across 6 RPG attributes.
- Implemented **Supabase JWT authentication** with auto-session-timeout enforcement and a Framer Motion + Recharts dynamic UI featuring glassmorphism theming and a live Radar Chart stat visualizer.

AntiFlow — AI Content Automation Engine

Jul 2025 – Sep 2025

- Architected a zero-cost AI content automation engine (**Next.js + TypeScript** frontend, **FastAPI Python** backend) that produces complete YouTube video asset kits — scripts, visual prompts, and voiceovers — from a single topic input.
- Integrated **Google Gemini 2.5 Flash** for structured LLM scriptwriting and **Microsoft Edge TTS** for narration, designing a decoupled backend with isolated AI logic and file management modules for independent pipeline scaling.
- Eliminated all production infrastructure costs by engineering the full pipeline exclusively on free-tier APIs.

Point of Sales (POS) System

Jan 2025 – Feb 2025

- Designed and delivered a full-stack POS system in **Laravel 11** with MySQL, featuring real-time inventory tracking across multiple product categories.
- Engineered an automated PDF/CSV report generation pipeline via **Laravel Queues** and scheduled tasks, cutting accounting staff reconciliation workload by **40%**.
- Implemented role-based authentication (Spatie Permissions) and a **RESTful API** layer for third-party POS hardware integration.

Company Profile Websites (x8)

Jul 2024 – Dec 2024

- Delivered 8 production company profile websites using **CodeIgniter 4** and MySQL, implementing custom responsive layouts, lazy-loaded media assets, and Schema.org structured data markup across all deployments.
- Maintained Lighthouse performance scores above 90 through image optimization, minified asset pipelines, and server-side caching strategies — consistently meeting client performance benchmarks.
- Conducted **technical onboarding sessions** for incoming interns, covering codebase architecture walkthroughs and end-to-end **cPanel deployment workflows**, ensuring zero knowledge gap during team transition.

TECHNICAL SKILLS

Blockchain / Web3	Solidity · ERC-721 / ERC-20 · Ethereum · Ethers.js · Web3.js · Hardhat · OpenZeppelin · IPFS · MetaMask
AI / LLM	Google Gemini API · LLM Prompt Engineering · Structured Output Design · FastAPI AI Pipelines · Edge TTS
Frontend	React · Next.js · TypeScript · Tailwind CSS · Framer Motion · Recharts · Vite · Responsive Design
Backend	Laravel · CodeIgniter 4 · FastAPI · PHP · Python · Node.js · REST API Design · Microservices Architecture
Database	MySQL · PostgreSQL · Supabase · Database Schema Design
Auth / Security	JWT · Supabase Auth · Spatie Permissions · OWASP Smart Contract Top 10 · Role-Based Access Control
DevOps / Tools	Git · GitHub · GitHub Actions · Vercel · Docker · Postman · Uvicorn · npm · Composer · CI/CD Pipelines

WORK EXPERIENCE

Fullstack Web Developer Intern

Jun 2024 – Dec 2024

Elecomp

- Engineered and shipped full-stack web applications across frontend (HTML/CSS/JS) and backend (PHP/Laravel) layers within a 6-person agile team, reducing sprint delivery time by **20%** through component reusability and CI-aligned deployment practices.
- Implemented on-page SEO architecture — structured metadata, semantic markup, and Core Web Vitals optimization — driving a **25% increase** in organic search visibility across client deployments.

EDUCATION

Bachelor of Informatics

Jul 2025 – Present

Universitas Bhinneka PGRI

- Coursework: Data Structures & Algorithms, Object-Oriented Design, Database Systems, and Software Engineering.
- Active independent projects in distributed system design and blockchain application architecture.

Diploma in Software Engineering

Jul 2022 – Jun 2025

SMKN 1 Boyolangu — Vocational High School

- Specialized in full-stack web development; completed capstone projects in PHP application architecture and relational database design.
- Foundation for professional internship delivery and independent client project execution.