

HUYNH VAN SANG

Software Developer

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SUMMARY

I build things that work and things that make people feel something. Driven by curiosity, I follow the problem wherever it leads.

EDUCATION

Industrial University of Ho Chi Minh City (IUH)
Information Technology – Software Engineering

Ho Chi Minh City, Vietnam
Aug 2020 – Apr 2026

EXPERIENCE

Backend Developer

Incom Saigon JSC

Aug 2024 – Dec 2024

Ho Chi Minh City, Vietnam

- Developed backend APIs for mini-apps, combining Zalo OAuth with custom JWT for secure user authentication.
- Initiated code reviews and collaborated with frontend to align features for on-time MVP delivery.

IT Support Technician

Dai Kim Electric

Oct 2025 – Dec 2025

Ho Chi Minh City, Vietnam

- Maintained industrial networks and resolved technical issues independently under high pressure.

SKILLS

Tech Stack: JavaScript, TypeScript, React, Next.js, Node.js, MongoDB, SQL, Redis
Practices: Unit Testing, Technical Documentation, Clean Code, System Architecture
Languages: English (TOEIC 610, technical reading proficiency)

PROJECTS

Studio — **Creative Web Showroom** | *Next.js, TypeScript, Tailwind*

Team: 1

Mar 2026 – Present
[Live](#)

- Structured a scalable multi-project architecture with independent sub-experiences under a unified design system.
- Integrated idea submission pipeline via Resend and Next.js Server Actions.

Flowork — **AI Agent Remote Control** | *TypeScript, Node.js, Telegram Bot, Codex CLI*

Team: 1

Mar 2026 – Present
[GitHub](#)

- Architected a natural-language task interface over Telegram webhook to remote-control a local AI agent.
- Used Codex CLI over API to access GPT-5.x at flat subscription cost, eliminating per-token billing overhead.
- Designed stateless multi-project workspace switching with full context handoff across devices and sessions.

E1337 — **Custom AI Agent Engine** | *TypeScript, Node.js, Next.js, LanceDB*

Team: 1

Feb 2026 – Present
[Blog](#)

- Built AI agent from scratch — ReAct loop, DI, and Strategy Pattern for cognitive execution modes.
- Cut token usage 60–70% vs. single-turn API calls via prompt compression, context recycling, and rolling summarization.
- Crafted a web-based control dashboard with real-time agent monitoring, code editor, built-in terminal, and Git log viewer.

Ecommerce Core Platform | *TypeScript, Next.js, Node.js, MongoDB, Redis*

Team: 1

Jan 2026 – Present
[GitHub](#)

- Architected a Monorepo with Clean Architecture and Event-Driven principles for high decoupling and scalability.
- Optimized Category Hierarchy via Materialized Path, O(1) lookups, sub-1ms latency via Redis (95% faster than DB).
- Engineered a thread-safe Inventory System for Flash Sale scenarios using Redis Distributed Locking and Atomic MongoDB Pipelines to prevent overselling under massive concurrency.

Spa Zalo Miniapp | *Node.js, Express, MongoDB, Redis*

Role: Backend | Team: 6

Aug 2024 – Dec 2024
[GitHub](#)

- Integrated Zalo OAuth & JWT with Redis Blacklisting to enforce immediate session termination.
- Built an Affiliate System on optimized tree-structured data to eliminate deep-query overhead and track commissions.

CONTRIBUTIONS

Project 42 — **Creative Web Experience** | *Three.js, Tone.js, Vue 3, TypeScript*
[J2TEAM](#) — vibe.j2team.org

Mar 2026
[GitHub](#) | [Live](#)