Thanh Dinh

Senior Software Engineer — FinTech, Web3 & AI Agents

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SUMMARY

Senior Software Engineer with **7+ years** crafting high-impact backend solutions in finance, blockchain, AI and e-commerce. Architected **15+ microservices** handling millions of transactions with **99.9% uptime**. Go, Node.js, Kubernetes and cloud-native expert — from crypto deposit engines and non-custodial on-chain payouts to RAG chatbots and MCP servers for AI agents. Builds systems people can trust with money and data: secure by default, auditable end to end, every payout and ledger entry traceable to its source.

EXPERIENCE

Senior Software Engineer — Jul 2023 — Present
Contractor / Freelancer

- Architected and deployed diverse high-impact projects across **e-commerce**, **cryptocurrency custody** and **AI-driven automation** systems
- Building fintech and AI products under **AINow**: a non-custodial CEX cashback service with on-chain USDT payouts, stablecoin checkout on **Stellar**, and **MCP servers** that let AI agents drive creative tools
- Engineered scalable AI chatbot architectures utilizing **RAG** with hybrid semantic and keyword search
- Developed a profitable print-on-demand e-commerce solution integrating with marketplace platforms **Shopify, Etsy and WooCommerce**
- Delivered comprehensive blockchain integrations across multiple networks

Go · Node.js · RAG · MCP · Shopify · Blockchain · Stellar · Kubernetes

Senior Software Engineer — Feb 2022 — Jul 2023
Asean Business Center / Alchemymagic.io

- **Crypto Deposit Engine:** high-throughput scanner across 5 chains; 50,000+ daily deposit checks
- **Withdrawal Workflow:** batch-sign-and-push pipeline for 10,000+ withdrawals/month; 30% reduced latency
- **API Platform:** 12 REST & WebSocket services with 95% test coverage, 200+ integration tests
- **Product Launches:** shipped a B2B GameFi product in 4 weeks → 5,000+ users in Q1
- **Blockchain:** onboarded Solana, Ethereum, BSC, Fantom, Avalanche; 8 smart-contract adapters

Go · MySQL · Redis · gRPC · Kafka · Elasticsearch · Solidity

Software Engineer — May 2021 — Jan 2022
Manabie

- 5 core microservices powering an ed-tech platform with **20K+ daily active users**
- Migrated 3 large tables (>100M rows) to Row-Level Security with **>99.5% availability**
- Flashcard module used by **15K+ learners** with Hasura GraphQL & Kubernetes auto-scaling
- Increased code coverage from 60% to **88%**; 150+ code reviews improving velocity by 25%

Go · PostgreSQL · Redis · NATS · gRPC · Hasura · Kubernetes

Software Engineer — Jan 2020 — Apr 2021
APG Construction

- ERP modules for procurement, inventory and project tracking
- Reduced average API response from **300ms** → **120ms**; PostgreSQL optimizations achieving **2× faster** report generation

Node.js · Go · PostgreSQL

Backend Engineer Intern — Jun 2019 — Dec 2019
Chotot

- Live-streaming ingestion service with **<200ms latency**; delayed-message system reducing message lag by **50%**
- CRM history-logs feature in Go/PostgreSQL/React.js

Go · Wowza · RabbitMQ · React.js · PostgreSQL

FEATURED PROJECTS

CEX Cashback — Non-Custodial Trading Rebates — cashback.getainow.io

- Returns up to **60%** of exchange affiliate commission to traders' own wallets: links Binance UIDs via referral, syncs commission reports every 6 hours and recalculates cashback every 30 minutes
- Weekly on-chain USDT (BEP-20) payouts after admin reconciliation and approval; fully non-custodial, with a permanent, CSV-exportable audit ledger where every entry traces back to its source exchange report

FinTech · Next.js · Binance Affiliate · BSC / BEP-20 · USDT

Shopble — Stablecoin Checkout on Stellar shopble.getainow.io

- Every order is settled by a Stellar payment carrying the order's own memo, making each payment provable against it on-chain
- Major Stellar wallets (Freighter, LOBSTR, Albedo…), payment slips and underfunded-wallet checks before signing; on Stellar testnet

Stellar · Stablecoins · Web3 Payments · React

AINow — MCP Servers for Creative Tools getainow.io

- Lets AI agents (Claude Code, Codex CLI, Antigravity or any MCP client) drive creative software through one endpoint and token
- Story Studio exposes **50 MCP tools** to build, animate, narrate and export illustrated stories to video, with agent self-checks (preview frames, audio inspection)

MCP · AI Agents · Generative AI · Text-to-Speech · Video Export

E-commerce Print-on-Demand Platform

- POD fulfillment integrated with Shopify, Etsy and WooCommerce: **100+** monthly active sellers, **200,000+** orders, 10.4% MoM sales growth, 80K+ products imported, 20K+ user registrations
- Automated, zero-delay fulfillment and shipment-tracking workflows (webhooks + cron) with zero-downtime deployments — **$30K MRR** with >90% merchant satisfaction

E-commerce · Shopify API · Etsy API · WooCommerce · Webhooks · Automation

Haizz AI — AI Interior Design Platform haizz.vn

- Personalised 3D home designs in 24–48 hours from a 2D floor plan, VR 360 photos or iPhone LiDAR scan; 8 styles learned from **500K+** drawings; **1,000+** customers
- In-design decor shopping, cost estimates and construction partners — from 30,000 VND/m², about a tenth of an architect's fee

AI Design · VR 360 · LiDAR Scan · 3D Rendering · Mobile App · E-commerce

Cryptocurrency Wallet Custody Solutions

- High-security custody for multiple crypto exchanges and trading platforms: real-time transfer detection with programmable policies triggering automated security workflows; multi-chain MPC and HD wallet architectures

Go · Blockchain · MPC · Security · Multi-chain

Mogivi — AI Real-Estate Matching mogivi.vn

- PropTech for buying and renting apartments on Vietnam's secondary market: real-time listing feed, AI matching by needs and budget, legal vetting 24/7
- 360° VR apartment tours and Panorama AI that analyses a room and suggests interiors in the buyer's style

PropTech · AI Matching · Panorama AI · VR Tour · Marketplace

VUS — English Education Platform vus.edu.vn

- Backend systems powering Vietnam's leading English education provider (**219K+** certified learners, **2,700+** teachers & TAs) — student enrollment, course management and the OVI learning app used by students and parents

EdTech · Node.js · Go · PostgreSQL · Microservices

Bitcoin Meme-Inscription GameFi

- Led end-to-end development: **1,000+** users and **2,000+** BTC inscriptions in the first release; production Bitcoin full node and ordinals server with automated monitoring at **>99%** availability

Bitcoin · Ordinals · GameFi · Full Node

OPEN SOURCE

Agent Orchestrator — Author & Maintainer github.com/xnoname79/unity-agent-orchestrator

- Puts Claude Code, Codex and Antigravity agents on one canvas, handing work to each other via a `send_signal` MCP tool — runs queued, capped and logged behind an approval gate and kill switch
- 4 built-in MCP servers, a one-click MCP manager for every CLI, task boards, media tools and an OpenAI-compatible API

Python · JavaScript · MCP · Multi-Agent · Claude Code · Codex

Multichain Indexer — Single-Binary Fork of Fystack github.com/xnoname79/multichain-indexer

- Rebuilt a 14-chain Go deposit indexer as one binary and one SQLite file, replacing NATS, Postgres and Redis
- Upstream: Solana Squads multisig transfer parsing (`transferCheckedWithFee`) with unit tests — merged PR #84

Go · SQLite · Webhooks · Outbox Pattern · Solana · Squads Multisig

TECHNICAL SKILLS

Languages & Frameworks	Go, Node.js, Python, React.js, Solidity, Rust
Databases & Messaging	PostgreSQL, MySQL, Redis, Elasticsearch, Kafka, NATS JetStream
Infrastructure & DevOps	Kubernetes, Docker, Terraform, AWS & GCP, GitLab CI, gRPC
Blockchain & AI	Ethereum / BSC, Solana / Stellar, Smart Contracts, RAG / MCP, Qdrant, MinIO