

Thanh Nguyen

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EXPERIENCE

Lead Software Engineer (Contractor) <i>TRS Project</i>	3/2025 – 10/2025 Remote, Hanoi, Vietnam
<ul style="list-style-type: none">System Design & Architecture: Designed a scalable web scraping system supporting 20+ data sources with integrated local/remote LLM processing. Achieved 99%+ success rate bypassing modern anti-bot protections (Cloudflare Turnstile, Google reCAPTCHA) through advanced evasion techniques.Delivery: Implemented and deployed the above system which increased human data collection and processing efficiency by >100% (before: 8+ data records in 1 hour; after: 20+ data records in 1 hour). <p>Technologies used: SvelteJS, TypeScript, Restate, PostgresQL, NixOS.</p>	
Fullstack Software Engineer <i>Wombat Exchange</i>	7/2023 – 2/2025 Remote, Hongkong SAR
<ul style="list-style-type: none">EVM Data Indexing: Maintained and deployed subgraphs for 3+ EVM chains, which handled 600K+ events. The subgraphs served Wombat Analytics page, which made nearly 250K requests per month. Optimized Wombat Analytics page's loading time from 10+ seconds to 1 second. <p>Technologies used: TypeScript, AssemblyScript, NextJS, Subgraph.</p>	
Software Engineer, Platform Engineer <i>Xantus Network</i>	10/2021 – 12/2022 Hanoi, Vietnam
<ul style="list-style-type: none">EVM Data Indexing: Designed, implemented, and deployed Events Synchronization services for 10+ EVM-compatible Smart Contracts on 3+ chains. The services handled 100k+ events, provided on-chain data for 3+ projects (Mones, Gunfire Avax, and Oxalus NFT Aggregator). Optimized Block Time Querying Service's loading time from 15+ seconds to less than 3 seconds. <p>Technologies used: Golang, TypeScript, go-ethereum, web3js, Apache Kafka.</p>	

Software Engineer <i>Teko Vietnam</i>	4/2021 – 12/2021 Hanoi, Vietnam
<ul style="list-style-type: none">Master Product Data: Designed, implemented, and deployed data pipelines, data models, and REST API of Product Matching Service which processed 10K+ products. <p>Technologies used: Python, Golang, FastAPI, SQLModel.</p>	
Software Engineer, System Engineer <i>AI Academy Vietnam</i>	6/2019 – 8/2020 Hanoi, Vietnam

EDUCATION & CERTIFICATION

Master, Finance Engineering <i>WorldQuant University</i>	7/2024 – Present Remote, USA
Engineer, Software Engineering <i>Le Quy Don Technical University</i>	6/2016 – 6/2021 Hanoi, Vietnam

SIDE PROJECTS

Cryptaa: Offline-first code snippet manager powered by SvelteJS. Deployed at: thanhnguyen2187.github.io/cryptaa .
CamLisp: Simple Lisp/Scheme interpreter in OCaml. Source at: github.com/thanhnguyen2187/camlisp .
Darkest Savior: CLI written in Golang to parse DSON, a proprietary data format to JSON. Source at: github.com/thanhnguyen2187/darkest-savior .