

Jo Vinkenroye

Senior Full-Stack Engineer & Architect

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13+ years shipping production TypeScript · Belgium / Barcelona · hybrid or remote
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SUMMARY

Senior full-stack engineer and architect. I own complex TypeScript stacks end-to-end: Angular and Next.js on the frontend, NestJS / Node / Convex on the backend. Architected the Nx monorepo consolidation for **3 Angular apps at AWV** (Flemish road agency, 8-person team) and owned the **8-app frontend monorepo serving every notary in Belgium** at Fednot · coaching the engineer who took it over. Since October 2025 I've been full-time indie: shipping a production-grade product every 4–6 weeks with Claude Code across mobile (SwiftUI), web (Next.js) and AI-native tooling. Two years deep in AI-assisted development · multi-agent workflows, MCPs, prompt caching, context optimization. Polyglot (5 working languages), founder mindset. Looking for architect or founding-engineer roles · full-time, freelance or contract.

CORE STRENGTHS

- **Monorepo & platform architecture** · Nx, shared libraries, build pipelines teams can extend without me
- **AI-native engineering** · Claude Code, agents, MCPs, hooks, context engineering, multi-agent systems
- **TypeScript end-to-end** · Next.js, React, Angular, NestJS, Convex, Supabase, PostgreSQL
- **Product sense** · 13+ years, 30+ shipped projects, founder of 4 products with paying users
- **Communication** · 5 working languages (NL, EN, FR, ES, DE), mentored teams, client-facing

EXPERIENCE

Indie Hacker & Startup Builder

Self-employed · [Bicraw.ai](https://bicraw.ai) | October 2025 – ongoing

- Full-time on indie products and AI consulting after leaving AWV · shipping one production-grade app roughly every 4–6 weeks solo with Claude Code
- Launched **BarterBai** (peer-to-peer barter iOS app, March 2026), **VBCDR** (AI-integrated dev environment, Feb 2026) and **Latent Press** (autonomous AI publishing platform, Feb 2026)
- Co-founded **Global Pet Sitter** (marketplace, Jan 2026) and scaled **Kaimeleon.ai** (AI meeting assistant, co-founded Feb 2025) with direct founder-led sales
- Deepened expertise in AI-assisted development: multi-agent architectures, MCP servers, Claude Skills & Hooks, context-window and prompt-cache optimization
- Stack: Next.js, Convex, Supabase, SwiftUI, Claude API / Anthropic SDK, OpenAI, Vercel

Senior Frontend Architect · Angular

AWV · **Flemish Road & Traffic Agency** | May 2022 – September 2025

- Architected the Nx monorepo migration that consolidated **3 separate Angular applications** into one unified platform · the agency's internal tooling for managing the Flemish road network
- Designed the build pipeline and frontend architecture from scratch, turning a maintenance-heavy codebase into a platform an **8-engineer team** could extend without me
- Built the real-time geolocation layer on OpenLayers, integrated with backend APIs serving live road and traffic data
- Introduced ngrx + fp-ts patterns, raised the team's baseline on state management and functional error handling
- Stack: Angular 13–16, Nx, ngrx, rxjs, fp-ts, OpenLayers

Frontend Architect · Angular

Fednot · Federation of Belgian Notaries | June 2018 – April 2021

- Owned the frontend architecture of an **8-app Nx monorepo serving every notary in Belgium** (~1,500 practices)
- Built the shared component library and generic services layer · eliminated per-app reimplementation across the portfolio and cut new-app bootstrap time from weeks to days
- Established the testing strategy: Cypress e2e + Jest/Spectator unit + Storybook component contracts
- Coached and mentored the in-house frontend developer who took over architectural ownership after I left
- Stack: Nx, Angular CLI, Storybook, Cypress, Jest, Spectator

Full-Stack Developer

Kwenta | January 2021 – 2025

- Built a legal-tech platform connecting creditors, lawyers and third-party accounting software for managing action on unpaid invoices
- Ran in production ~4 years before decommissioning; core admin flows, integrations and file handling
- Stack: Laravel Orchid, MySQL, AWS S3

Full-Stack Developer · Smart Contracts

Bitblocks | April 2021 – April 2022

- End-to-end build of a Bitcoin-history NFT platform: procedurally generated blocks with on-chain personal message engraving
- Solo ownership across Solidity contracts, IPFS storage, OpenSea integration, frontend and backend
- Stack: React, NestJS, IPFS, Solidity, EtherJS, Ganache, Truffle

Full-Stack Developer

Forex/Crypto Utils | August 2020 – January 2021

- Built a real-time forex/crypto insights platform for trading groups · multi-source ingestion, charting and signal delivery
- Designed the Node microservices backend: Redis event queue, GraphQL/Apollo gateway, Cloudflare WSS for live updates
- Stack: NestJS, Angular 10, ag-grid, Highcharts, Redis, Nginx, Cloudflare, DigitalOcean, PM2, CircleCI

Open-Source Developer

TheLedger | January 2018 – 2020

- Authored open-source TypeScript boilerplates for Hyperledger Fabric · adopted by external blockchain teams as a starting template
- **Won the Odyssey Hackathon 2019** with the team
- Stack: NestJS, Hyperledger Fabric Node SDK, AWS EC2/SQS, Pusher, Auth0

Frontend Developer · PIB & Sirius

Digipolis Ghent | August 2016 – January 2017

- Angular 2 TDD across two city-platform projects; migrated 4 frontend projects from gulp/systemjs to Webpack
- Led framework transitions through Angular 2's release-candidate cycle (RC1 → 2.0)
- Stack: Angular 2, TypeScript, Webpack, .NET WebApi, TeamCity

Earlier Roles (2010 – 2016)

- **Siverra** (2016) · Node.js API development, full e2e coverage with Mocha, elasticsearch
- **Vikingco / Mobile Vikings** (2015) · Angular 1.3 redesign of Citylife frontend, static-page generator, OAuth
- **Bicraw Consulting** (2014–2016) · freelance ERP web apps, Shopify themes and custom apps
- **Accenture** (2013–2014) · SAP ABAP, SEPA full life-cycle for ECC/ISU clients, MECOMS for Gasunie
- **Cardinal Resources, USA** (2011–2012, J1) · supply-chain ERP in VB.NET
- **Prodev, Bazookas, PDIUSA** · early-career generalist (VB.NET, Vue.js on Symphony, Angular SPA)

FOUNDER & CO-FOUNDER EXPERIENCE

Founder · BarterBai

March 2026 – ongoing · barterbai.com

- Solo-built peer-to-peer barter marketplace iOS app with AI-powered image analysis, auto-categorization and item matching
- End-to-end ownership: SwiftUI client, Convex backend, Clerk auth, Claude vision, OpenAI, Cloudinary

Co-Founder · Global Pet Sitter

January 2026 – ongoing · globalpetsitter.com

- Pet-sitting marketplace: real-time messaging, reviews and map integration
- Stack: Next.js, Clerk, Convex, Supabase, MapLibre GL

Co-Founder · Kaimeleon.ai

February 2025 – ongoing · kaimeleon.ai

- Co-founded KAI, an AI assistant for business communication and meeting workflows · capture, analyze and surface insights from team conversations
- Landed early-adopter clients (Mrshl, Odette) through direct technical-founder selling
- Owned product design, full stack and client conversations end-to-end

Owner · Bicraw.ai

June 2024 – ongoing · bicraw.ai

- AI consulting and implementation vehicle for businesses scaling and automating processes · full-time since October 2025

Prior Ventures

- **Pockettrader** (2018) · PWA for multi-exchange crypto trading; StencilJS + Ionic + NestJS
- **LightningAssets** (2017–2018) · fractional copy-trading on Binance/Bittrex/Poloniex/Kraken
- **Krackzee Technologies** (2015–2016) · technical co-founder, student-to-coaching marketplace
- **Altcoinsniper** (2014) · early Bitcoin/altcoin trading bots on the Cryptsy API (.NET)

TECHNICAL SKILLS

Daily stack: TypeScript · Next.js · React · Angular · NestJS · Node · Convex · Supabase · PostgreSQL · Tailwind CSS

AI-assisted development: Claude Code · Claude API / Anthropic SDK · OpenAI · Gemini · Agents · MCPs · Hooks · Skills · Multi-Agent Architecture · Context & Token Optimization · Prompt Caching

Mobile: Swift · SwiftUI · iOS · Ionic · Monkey C (Garmin SDK)

Frontend (experienced): Vue.js · StencilJS · D3.js · Storybook · Nx monorepos · ngrx · rxjs · fp-ts

Backend (experienced): Express · Laravel · Django · GraphQL · Apollo · Socket.io · Redis · RabbitMQ

Databases: PostgreSQL · MySQL · MongoDB · Redis · Firebase · Supabase · Convex

Testing: Cypress · Jest · Jasmine · Spectator · Mocha · TDD

DevOps & Cloud: Docker · AWS · Vercel · Fly.io · DigitalOcean · Cloudflare · Nginx · GitHub Actions · CircleCI

Web3: Solidity · Foundry · Ethereum · Hyperledger Fabric · IPFS · EtherJS · Smart contracts · NFTs

Would still take a job in: Python · Go · Swift · PHP (Laravel)

SELECTED PERSONAL PROJECTS

VBCDR (vibecoder.io) · vbcdr.io · 2026

First AIDE (AI-Integrated Development Environment) · unified workspace combining terminal, browser preview and DevTools per project, designed around AI-driven coding workflows. Solo design, build and ship. Next.js, React, TypeScript, Tailwind, Framer Motion.

Hyperscalper · hyperscalper.vercel.app · 2026

Real-time scalping platform for the Hyperliquid DEX: live order book, TA and automated signal detection for short-timeframe trades. Open source. TypeScript, Node, WebSocket, Telegram Bot API.

Latent Press · latentpress.com · 2026

AI publishing platform where agents are authors and humans are readers · autonomous nightly pipeline: research → writing → audio narration → publish. Next.js, Supabase, Vercel, Claude API, Edge TTS.

Catalog · 2024–2026

Ad Forge · Smallshop · Garmigotchi · Rollercoaster Store · MenuScanner · ImproveMyWebsite · Juriscan · Neural Surrealism · EchoLingo · Amphibiminions. Full list at github.com/jestersimpps.

EDUCATION

MSc Business Engineering · Hogeschool-Universiteit Brussel · 2008 – 2013 Two-year master's programme taught in English (120 ECTS).

Web3 Solidity Bootcamp · Metana · 2024 4-month project-based curriculum: Ethereum, DeFi, smart contracts.

Blockchain Developer · Foundry Full Course · Cyfrin Updraft · 2025 Solidity, Foundry, smart contract security, DeFi protocols.

Certification: ITIL v3 Foundation

LANGUAGES

- **Dutch** · Native
- **English** · Native / Full professional
- **French** · Good (working)
- **Spanish** · Daily conversations
- **German** · Daily conversations
- **Chinese** · Basic

INTERESTS

- Indie hacking & side projects
- AI automation & agents
- Open source
- Trading bots & algorithmic trading
- Language learning
- Fitness tech
- Traveling