

KHOA TRAN VAN (Kane)

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ABOUT ME

- A senior frontend-focused fullstack engineer with 7 years of experience, including 4+ years building production-grade Web3 DApps on EVM and Solana.
- With a sharp eye for performance, UX, and developer experience, I architect scalable, high-performance Web3 interfaces and lead *frontend* engineering teams through cross-chain launches—balancing hands-on coding, system design.
- Comfortable working with *backend* systems using Node.js, NestJS (RESTful APIs and GraphQL) — building or adjusting APIs for smart contract interactions, real-time data, dashboards, and supporting frontend data needs.

TECHNICAL SKILLS

- Languages: TypeScript, JavaScript, SQL, GraphQL, C#, VB.NET, HTML, CSS/SCSS
- Frameworks: React.js, Next.js, Vue.js | Node.js, NestJS, Express.js
- Styling: TailwindCSS, Material UI, Ant Design, styled-components, SCSS.
- Blockchain: EVM, RainbowKit, Viem, Wagmi, Solana SDK.
- Testing: Jest, Cypress, Playwright, Unit Test, Integration Test, E2E Testing.
- Infra/DB: AWS, Vercel, MongoDB, MySQL, Redis
- Others tools: Figma, WebSocket, Docker, Git, OpenAI API

WORK EXPERIENCE

Nerd Labs, Singapore-based (Remote)

May 2023 – Now

Senior Frontend-focused Fullstack Engineer (FE Team Lead) *Team size: 14 (1 Tech Lead, 2 PO, 3 SC, 4 BE, 4 FE)*

- Led development and optimization of DApps, Telegram mini-apps, and DeFi extensions across EVM and Solana chains.
- Architected frontend systems using React, Next.js, NestJS, Viem, Wagmi, and Solana SDK—delivering core modules across 4+ major releases.
- Directly built and maintained complex features: token dashboards, real-time trading views, AI-driven interfaces, portfolio monitoring, and prompt UIs.
- Built backend APIs in NestJS to handle smart contract interactions, process blockchain data, and serve structured responses to the frontend.
- Integrated OpenAI APIs to enable natural-language interaction with DeFi protocols (swap, yield, on-chain confirmation flows).
- Collaborate cross-functionally with design and product teams; led frontend task planning, PR reviews, and coding standards enforcement for 4 FE devs.
- Prioritized frontend test coverage using Jest, Playwright, and Cypress across user-facing flows, smart contract interactions, and prompt-based logic.
- Built and maintained CI/CD pipelines (Vercel + AWS) with preview environments and DNS routing for multiple deployments.
- Impact Highlights:
 - Reduced re-render and average page load time by 30% via caching, tree shaking, code-splitting, lazy loading, and aggressive render improvement.
 - Optimized rendering and latency for near-instant feedback using React + Suspense + backend streaming API integration.
 - Implemented virtualization technique for dashboards rendering 100–300+ NFT card items per view page, with performance maintained at 60 FPS.

Technixo Software, Singapore-based (Remote)

Feb 2021 – Apr 2023

Senior Frontend-focused Fullstack Engineer

Team size: 18 (1 TO, 1 PO, 5 BE, 6 FE, 2 Mobile, 3 Tester)

- Delivered 3+ Web3 applications in DeFi, GameFi, NFT marketplaces using React, Next.js, TypeScript, GraphQL, Viem, TailwindCSS, MUI and various web3 libraries.
- Took ownership of core frontend features, including real-time trading charts and live orderbooks using data streams (10+ token pairs update/sec) in Spot and Future trading apps.
- Collaborated daily with product and mobile teams under Agile/Squad model to ship features within 2-week sprint cycles.

- Contributed to backend tasks using Node.js and NestJS—refactored and extended APIs, normalized smart contract data structures, and handled DB updates to support new UI logic.
- Supported smart contract event handling and backend cron jobs to sync on-chain data for frontend use.
- Focused on frontend performance, maintainability, and component reuse across projects.
- Built test coverage for key features using Jest (unit), Playwright/Cypress (e2e), and built reusable test setups for consistent frontend quality.
- Integrated backend APIs with frontend logic and ensured CI/CD reliability with Vercel & AWS workflows.
- Outstanding Outcomes:
 - Improved TTI by ~30%, reduced bundle size by ~25%, and kept CLS consistently under 0.1.
 - Applied virtualization and memoization to keep large, dynamic data tables and NFT grids smooth at scale.

T&T Design, Synckey, Japan

Mar 2018 – Feb 2021

Full-stack Web Engineer

Team size: 10 (1 BA, 2 FE, 2 BE, 4 Full-stack, 1 Tester)

- Developed project management software and reporting dashboards for internal teams using React, Redux, Node.js, Express, MySQL, AWS.
- Visualize large data systems to tabular and various chart types (multi-bar chart, slope chart, world map, heatmap matrix, ...)
- Implemented key modules: authentication, multi-language (JP/EN), data filtering, role-based access, and real-time data items.
- Converted Figma/Sketch designs into high-quality UI web, ensuring full cross-browser & mobile compatibility.
- Researched and built a cloud infrastructure pipeline on AWS S3 + RDS + EC2, including auto backup strategy and DB migration flows.
- Delivered documentation and code comments in English, collaborated with Japanese engineers and project managers via Slack, Gitlabs, and Jira.
- Key Projects:
 - Project management software: <https://app.cleversort.com>
 - AI Reports for Stanford University: <https://d3i91vx6n7fixv.cloudfront.net/>

NDC IT Consulting, Vietnam

June 2016 – Feb 2018

.NET Software Engineer

Team size: 5 .NET Engineer

- Built desktop-based calculation applications and add-ins using C#, VB.NET, and Windows Forms/WPF, targeting architectural modeling and construction estimation workflows.
- Designed and implemented algorithms for quantity takeoff, bidding evaluation, and structural component cost estimation in the applications.
- Developed CRUD-based interfaces and business logic integrating SQL Server and MS Access databases, focusing on data reliability and traceability.
- Worked closely with project leads and technical consultants to define system requirements, implementation workflows, and functional logic for domain-specific tools.
- Delivered multiple standalone utilities to optimize internal processes, improving productivity for clients by 30–50% in tasks such as material scheduling and structural cost breakdown.
- Key Outputs:
 - Built plug-in compatible with industry BIM tools (e.g., AutoDesk add-ins).
 - Laid technical foundation in systems thinking and modular architecture that now applies to building scalable applications.

LANGUAGES

- English (professional working proficiency).
- Japanese (pre-intermediate).
- Vietnamese (native proficiency).

EDUCATION

- Bachelor of Engineering (B.E.) – Major: Information Technology.
Hanoi University of Civil Engineering (HUCE).