CAO MINH KHÔI

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ABOUT ME

Senior Frontend Engineer with 8+ years of experience building scalable web applications, analytics platforms, and AI-powered products used by global customers. Specialized in frontend architecture, performance optimization, and translating complex business requirements into intuitive user experiences. Experienced in leading large-scale initiatives, modernizing frontend ecosystems, and collaborating across product, design, and engineering teams.

Recently focused on AI-assisted software development and LLM-powered applications, leveraging tools such as Claude Code, OpenAI APIs, and GitHub Copilot to accelerate delivery, improve engineering productivity, and build intelligent product experiences.

Core Expertise

- Frontend Architecture & System Design
- Analytics & Data Visualization Platforms
- AI-Powered Product Development
- Performance Optimization
- Technical Leadership & Mentoring
- AI-Assisted Development Workflows

Technology Stack: Angular, React, TypeScript, NgRx, Redux, RxJS, Signals, GraphQL, OpenAI SDK, Claude APIs, Node.js

WORK EXPERIENCE

Anymind Group **Apr 2021 - Mar 2026**

Senior Software Engineer (Full-time) Vietnam

AnyManager (From Apr 2021 - Mar 2026):

- **Product introduction:** AnyManager (https://anymanager.io/) – Global B2B Growth & Monetization Platform (1,800+ B2B clients, 20+ international team size)
- 🏆 **Key Achievement:** Core contributor to features driving the platform to win the prestigious Innovation Award by the Google Certified Publishing Partner (GCPP) Program, outperforming international GCPP competitors.
- **Technical Ownership & Business Impact:**
  - **Workflow Transformation (AI):** Spearheaded the transition to Spec-Driven Development (SDD), architecting an "AI-ready" codebase optimized for autonomous coding agents that increased sprint velocity by 45%
  - **Performance & Optimization:** Personally designed the BI analytics dashboard and data visualization engine using Highcharts and NgRx; implemented caching and lazy-loading that cut report latency from 5 minutes to sub-seconds
  - **Strategic BI Dashboards:** Personally architected the high-performance data visualization engine using Highcharts and NgRx. I solved critical performance bottlenecks by implementing custom caching and lazy-loading, reducing report generation from 5 minutes to sub-seconds for enterprise clients.
  - **AI Feature Innovation:** Directed frontend development for the multi-modal AI Assistant, engineering a complex data-streaming UI for real-time charts and tables to maximize self-service discoverability

- **Modernization:** Owned the migration strategy from RxJS to Angular Signals, leveraging AI agents to reduce refactoring time by 60%.

- **Engineering Responsibilities:**
  - **Frontend Governance:** Established and enforced modular component design standards across a large-scale ecosystem using Angular 21+, NgRx, and Tailwind CSS
  - **Cross-Functional Delivery:** Partnered with Product Owners and Designers to translate high-level business logic into scalable technical specifications and PBIs
  - **QA & Full-Stack Automation:** Created an automated E2E testing culture via Playwright and Cypress, securing 95%+ unit test coverage and lowering regressions by 30%
  - **Backend & Tooling:** Maintained Node.js/TypeScript microservices for GraphQL/REST integrations, and managed CI/CD optimizations using GitHub Actions and Claude Code

Tech Stack: Angular, TypeScript, NgRx, Signal, GraphQL, Tailwind, Highcharts, Node.js, Playwright, Cypress, GitHub Actions

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Rosen Group **Apr 2019 - Apr 2021**

Frontend Developer (Full-time) Vietnam

Project 4 & 5 (From Apr-2019 to Apr-2021):

- **Team size:** 7 people
- **Product:** In-house project (Can't provide URL or name due to NDA)
- **Main responsibilities:**
  - Scaffolding and structuring front-end source code.
  - Translate the wireframe design into web components using React with Typescript, Redux, Tailwind, and Material.
  - Implement complex and build new UI components from scratch
  - Working with Websocket for some BE-specific feature (real-time notification and chat app).
  - Writing unit test and E2E test (Jest/Cypress).
  - Working with the PO/Lead technical to clear the business and technical requirements in a PBI.
  - Writing documentation/wiki on technical decisions or research.
  - Verify the CI/CD pipeline is in Azure.

Project 3 (From Jan 2019 to Apr 2019):

- **Team size:** 7 people
- **Product:** In-house project (Can't provide URL or name due to NDA)
- **Main responsibilities:**
  - Scaffolding and structuring front-end source code.
  - Translate wireframe design into web components using React.
  - Working with the image upload and editing library.
  - Writing unit test and E2E test (Jest/Cypress).
  - Working with the PO/Lead technical to clear the business and technical requirements in a PBI.
  - Research and apply state management (Redux).
  - Writing documentation/wiki on technical decisions or research.

Rosen Group **May 2017 - Apr 2019**

Frontend Developer (Part-time) Vietnam

Certivation Phase 2 (From Jun-2018 to Jan-2019):

- **Team size:** 10 people
- **Product:** https://www.certivation.com/

- **Product Description:** Maintain and upgrade the application to version 2 with massive upload, ensuring multiple certificates, and UI can be tenanted. Manage and verify certificates on the blockchain.
- **Main responsibilities:**
  - Translate UI/UX design into web components using HTML/SCSS/Typescript and Angular Material.
  - Writing documents on front-end architecture.
  - Writing unit test and E2E test (Jasmine/Protractor).
  - Contribute to the Scrum process when defining PBI.

Project 2 (From Feb-2018 to Jun-2018):

- **Team size:** 10 people
- **Product:** In-house project (Can't provide URL or name due to NDA)
- **Main responsibilities:**
  - Translate UI/UX design into web components using React with HTML/CSS/Typescript/Bootstrap.
  - Writing unit test and E2E test (Jest/Cypress).
  - Contribute to the Scrum process when defining PBI.

Certivation Phase 1 (From Jul-2017 to Feb-2018):

- **Team size:** 10 people
- **Product:** https://www.certivation.com/
- **Product Description:** Ensure individual certificate of a student or employee is added to the blockchain network by a friendly user interface that is easy to use.
- **Main responsibilities:**
  - Translate UI/UX design into web components using Angular with HTML/CSS/Typescript.
  - Writing unit test and e2e test (Protractor).
  - Research and apply blockchain technology.
  - Research and apply authentication/authorization with Auth0.

Project 1 (From May-2017 to Jul-2017):

- **Team size:** 7 people
- **Product:** In-house project (Can't provide URL or name due to NDA)
- **Main responsibilities:**
  - Implementing visual UI using HTML/CSS and logical events in a web application.
  - Writing unit test with Jasmine/Jest.
  - Research, learn, and practice the Angular/React framework

EDUCATION

University of Information Technology **09/2014 - 4/2019**

Major: Computer Network and Communication GPA: 8.62/10

ACHIEVEMENTS

Annual	Encouraging Scholarships at University of Information Technology
Mar-2019	IEEE publication: Votereum: An Ethereum-Based E-Voting System - https://ieeexplore.ieee.org/document/8713661

LANGUAGES & OPTIONAL CONTACT

Vietnamese	Native or Bilingual
English	Upper-intermediate

Github	https://github.com/khoicmdev
Linkedin	https://www.linkedin.com/in/khoicmdev/
Portfolio (built with React)	https://khoidev.vercel.app/

SKILLS

- **Frameworks:** Angular (Expert), React, TypeScript, Redux, RxJS, NgRx, Signals.
- **AI & Automation:** Claude Code, OpenAI API, GitHub Copilot, Agentic Workflows, Prompt Engineering for Developers.
- **Architecture:** Micro-frontends, NX Monorepos, Module Federation, AI-assisted Code Reviews.