

FRANKY DINH

Đinh Khánh Hưng

TECHNICAL LEADER · SENIOR FRONTEND ENGINEER

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SUMMARY

Technical Leader with 10+ years architecting high-performance UIs, e-commerce platforms and real-time systems. I own frontend architecture and technical direction end-to-end — turning complex requirements into clean, scalable systems, setting standards and mentoring engineers. Have led teams of up to 30 across e-commerce, SaaS, IoT, fintech and blockchain, embedding AI-assisted workflows to multiply delivery.

WORK EXPERIENCE

TECHNICAL LEADER

VMO Holdings | 2021 – Present

- Technical Leader on a browser-based Floor Plan editor (team 12) — custom SVG + Canvas engine keeps React out of the hot path; 1,100+ component catalogue, lossless XML round-trip, monorepo + NestJS (DDD/CQRS) API, AI-agent workflow.
- Led teams of up to 30 as Technical Leader on fintech and healthcare blockchain platforms, and an IoT remote-control & calling suite (WebRTC, Three.js / Unity, real-time WebSockets).
- Built the client app for an e-commerce platform (Next.js, GraphQL) and mobile apps for IoT and auction systems (Flutter).

TECHNICAL LEADER

Seal Commerce | 2020 – 2021

- Technical Leader on a Shopify App — a storefront page-builder (storefront + admin dashboard) built primarily in jQuery with the Shopify APIs (team of 10).

FRONTEND LEADER

Techbros | 2017 – 2020

- Led frontend for a construction-industry CRM (process, task and file management), plus VPS-monitoring and report-generation tools — Angular, Node and TypeScript.

FRONTEND DEVELOPER

Freelancer | 2015 – 2017

- Built chain-store management, satellite-image commerce and social-network apps — AngularJS, jQuery.

SIDE PROJECTS

frankydinh.dev — Portfolio & engineering showcase — Next.js, bilingual EN/VI, live multi-accent theming, Lighthouse-tuned. Full project list lives here.

Sillara — Luxury Fragrance Theme — Solo-built commercial Shopify OS 2.0 theme in vanilla-JS web components (no build step); three WCAG-AA schemes, tuned for Core Web Vitals & the Theme Store. frankydinh.dev/work/sillara-theme

Color Palette Detector — Chrome extension (Manifest V3) that extracts & exports accessible colour palettes from any image or site; median-cut in a Web Worker, WCAG checks, 100% client-side. frankydinh.dev/work/color-palette-detector

The Lab — Creative-coding playground — GPU fluid simulation, an audio-reactive 3D visualizer, a WebGL case-study gallery and mini-games. frankydinh.dev/lab



EDUCATION

Hanoi University of Science and Technology

Engineer's Degree — School of Applied Mathematics and Informatics

2011 – 2017

SKILLS

Technical

- React · Next.js · Vue · Angular
- TypeScript
- SVG / Canvas engines
- Node & NestJS (DDD/CQRS)
- GraphQL & REST APIs
- AWS · Monorepo

Domains

- E-commerce · Fintech
- Blockchain · Healthcare
- IoT · CRM / ERP
- AI-Driven products

Leadership

- Technical strategy & vision
- Architecture ownership
- Team mentoring & hiring
- Cross-functional collaboration
- Code review & standards
- AI-assisted delivery

Languages

- Vietnamese: Native
- English: B2 – C1

SELECTED PROJECT EXPERIENCE

A curated slice of 10+ years and 18+ delivered projects across e-commerce, IoT, fintech, blockchain, healthcare and 3D — most led end-to-end as Technical Leader.

AI-Assisted Floor Plan Editor

Nov 2025 – Present · Team 12 · Technical Leader

Description Browser-based CAD-style editor for authoring construction floor plans for the Japanese market, with an AI-agent workflow assisting the design team.

Tech stack TypeScript · React · NestJS · REST API · GitLab CI/CD · AI Agent

Contribution Lead the team end-to-end: requirement analysis, system & detailed architecture, output-quality standards, task breakdown, and AI-agent skill / technical-documentation specification.

E-commerce Client Platform

Sep – Dec 2024 · Team 20 · Frontend Developer

Description Customer-facing client application for an e-commerce system, with data served over a GraphQL API.

Tech stack Next.js · TypeScript · GraphQL · Jest · Microsoft Azure

Contribution Designed and built features to customer requirements, ran code review & release, and covered flows with Jest unit and integration tests.

IoT Remote-Control & Calling Suite

Sep 2023 – Sep 2024 · Team 12 · Technical Leader

Description Real-time remote-control and calling application for an IoT platform with live 3D visualisation of connected devices.

Tech stack Next.js · Angular · Node.js · WebRTC · WebSocket · Three.js · Unity 3D · Azure

Contribution Owned architecture and delivery end-to-end; drove the real-time/3D integration, monitored project performance, ran code review & release, and authored the technical docs.

IoT Mobile App

Jun – Sep 2023 · Team 20 · Technical Leader

Description Cross-platform mobile client for an IoT system with push-notification device alerts.

Tech stack Flutter · Dart · Node.js · Vue.js · FCM

Contribution Led the team end-to-end: design & development to spec, mobile CI/CD release pipeline, performance monitoring, and code review.

Financial Blockchain Platform

Aug 2022 – Feb 2023 · Team 30 · Technical Leader

Description Financial services platform built on blockchain, delivered by a 30-engineer team across multiple squads.

Tech stack React · Next.js · Node.js · MongoDB · AWS

Contribution Led a 30-person team end-to-end: requirement analysis, team workflow/process design, technical-doc & code review, task planning, cost-efficiency consulting, and handover.

Healthcare Blockchain System

Apr – Jul 2022 · Team 20 · Technical Leader

Description Healthcare data platform on blockchain, with dynamic form/layout rendering and auto-save.

Tech stack Node.js · Vue.js · MySQL · AWS

Contribution Led delivery: requirement analysis, data structure & flow design, dynamic layout rendering, feature implementation, and performance optimisation.

Shopify Storefront Page Builder

Oct 2020 – Sep 2021 · Team 10 · Technical Leader

Description Drag-and-drop page builder — a Shopify storefront app plus its admin dashboard — for merchants to compose landing pages.

Tech stack Vue.js · jQuery · TypeScript · Jest · Shopify APIs · PostgreSQL · Heroku

Contribution Led the team: rebuilt the core structure, built the storefront component library, delivered features, optimised performance, and consulted customers on solutions.

Enterprise CRM — Process, Task & File Management

2017 – 2019 · Team 10 · Frontend Lead

Description CRM suite for the construction industry covering process management, task management and file management.

Tech stack Angular · TypeScript · Node.js · MongoDB

Contribution Led frontend end-to-end: requirement analysis, UI/UX design, feature implementation, and cost-efficiency consulting with the client.

Freelance — Chain-Store, Satellite Imagery & Social Apps

2015 – 2017 · Team 4 · Frontend Developer

Description Independent delivery of a chain-store management system, a satellite-imagery commerce app, and a social-network app.

Tech stack AngularJS · jQuery · JavaScript · HTML/CSS

Contribution Owned requirements, UI/UX design, and feature implementation end-to-end as the independent developer.