

# Hien Hang

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## Professional Summary

Full-Stack Software Engineer with 7+ years of experience building scalable web applications across fintech, e-commerce, and enterprise platforms. Strong track record designing end-to-end features from database schema and API design to responsive frontend UIs. Experienced in system design for multi-tenant SaaS, payment processing, real-time data systems, and risk analytics. Hands-on experience with AI agents and LLM API integration.

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## Technical Skills

**Frontend:** React, Next.js, TypeScript, JavaScript, Angular, Tailwind CSS, Redux Toolkit, HTML5, CSS3

**Backend:** NestJS, Node.js, Go, Java (Spring Boot), REST APIs, Socket.io

**Data:** PostgreSQL, Prisma ORM, Redis, SQL, Bull queues

**Infrastructure:** Docker, Vercel, Google Cloud Storage, Datadog

**Auth & Payments:** Clerk, Stripe, crypto payment gateways (Confirmo)

**Testing:** Jest, Cypress, JUnit

**Other:** A/B testing (Optimizely), Figma, Git, Agile/Scrum, AI agents, LLM API integration

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## Work Experience

### Software Developer, Obermind

*December 2025 – Present*

Full-Stack Engineer on a white-label prop trading platform serving 4 brands. Owned end-to-end feature delivery across a NestJS/PostgreSQL backend and React frontend, contributing to system design decisions, feasibility assessments, and scalability planning.

- Designed and built a real-time risk management dashboard (active trading feed, firm exposure analytics, high-risk trader detection) for the compliance team to monitor all live funded accounts
- Optimised complex SQL aggregations with Redis caching and query timeouts, maintaining sub-second response times across 100K+ trade records
- Architected a PaymentAttempt audit system tracking every payment event across Stripe, crypto, and bank transfer providers with database-level locking and automatic refund-on-failure to prevent double-charges
- Built a wallet dashboard with full payment history, status tracking, and paginated transaction browsing
- Built an email template CMS with TinyMCE rich-text editing, dynamic brand variables, and Resend API integration; led migration from Mandrill to SendGrid to Resend across 4+ brands
- Delivered a rewards and loyalty system end-to-end: schema design, backend services, admin review, and portal UI with points catalogue, category browsing, and challenge-based restrictions
- Onboarded 3 new brands end-to-end (theme, certificates, admin, affiliates, landing pages, emails), including dynamic SVG-to-PDF certificate generation with per-brand positioning
- Built 4 trading calculators (lot size, pip, SL/TP, margin) pulling real-time MT5 price ticks across 30+ currency pairs

### Software Developer, Holland & Barrett

*April 2021 – June 2025*

Front-End Engineer on the Product Display team, owning product page development and optimisation across performance, UX, and scalability.

- Rebuilt product pages with Next.js, React, and TypeScript, improving maintainability and scalability
- Increased Add-to-Basket and conversion rates through UX redesign and data-driven A/B experiments
- Delivered over 10 A/B experiments optimising user journeys, directly contributing to increased conversion
- Refactored legacy codebase into reusable React components, improving future development velocity
- Built product reviews feature using Go and in-house tooling, improving performance and reliability
- Increased unit test coverage from 30% to 80%, significantly reducing production issues
- Improved Core Web Vitals by 35% and achieved 90+ Lighthouse scores across product pages
- Maintained on-call responsibilities using Datadog, resolving 95% of critical alerts within one hour to maintain 99.9% uptime

### Software Developer, BT

*March 2019 – April 2021*

Full-Stack Engineer in BT's Data Services Technology team, maintaining and evolving an internal marketplace serving 1,000+ employees.

- Developed over 10 new service features using Angular and JavaScript, improving user engagement by 25%
  - Built backend services with Spring Boot and SQL, ensuring 99.9% uptime
  - Implemented a testing strategy increasing coverage from 20% to 90%, reducing production bugs by 60%
  - Partnered with business stakeholders to scope requirements and deliver iterative releases aligned to user feedback
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## Education

**BSc Economics [2:1]** — University of Nottingham, 2014–2018

**A-Levels** — Maths (A), Economics (A), Chemistry (B) — Christ the King Sixth Form College, 2012–2014

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## Certifications & Additional

- Code First Girls / BT FURTHER — 4-month intensive software development programme
- ESB Level 4 Professional Presentation qualification
- Fluent in Vietnamese (native speaker)