Hung Nguyen

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EXPERIENCE

Full-Stack Engineer April 2025 – Present

Maison Toronto, ON

- Led development of the Maison multi-portal platform using Next.js, React, TypeScript, Tailwind CSS,
 Node.js/Express, and MongoDB, consolidating admin, vendor, and partner workflows into a secure, single signon experience and eliminating duplicated tooling.
- Engineered a real-time CRM board with Socket.IO, optimistic UI updates, and drag-and-drop kanban controls to replace manual lead spreadsheets, giving operations instant pipeline visibility and accelerating lead assignment cycles.
- **Built** vendor-facing territory intelligence—**GeoJSON** mapping, cached postal-code lookups, and shared React context—to surface patch performance and reduce support escalations by keeping vendors self-sufficient.
- **Delivered** partner referral analytics with tier progression, commission forecasting, and interactive dashboards, driving higher realtor engagement and making follow-up prioritization data-driven.
- Hardened the shared API layer with JWT/Passport authentication, layered rate limiting, security middleware (Helmet, request sanitization), and a reusable broadcast service so that role-isolated, real-time events scale safely.

Key technologies: Next.js · React · TypeScript · Tailwind CSS · Node.js · Express · MongoDB · Socket.IO · Passport JWT · GeoJSON · REST APIs · WebSockets · Caching · CI/CD-ready architecture.

Software Developer Jan 2024 – Dec 2024

Ministry of Children, Community and Social Services

Toronto, ON

- Enhanced Legacy System: Maintained and upgraded a VB.NET application used by officers to manage
 disability applicant profiles, track details, and generate government documents; resolved bugs, optimized SQL
 queries and procedures, and developed new features to improve usability.
- **Developed Modern Web Application**: Designed and built a new web application to replace the legacy system, utilizing **Angular** for a dynamic front-end (displaying applicant data, adding case affidavits, and managing reimbursements) and **Java Spring Boot** for a robust back-end, with **Oracle SQL** for database management.
- **Improved Efficiency**: Reduced workflow delays by **25%** and boosted document loading speed by **30%** through system optimizations, enhancing officer productivity.
- Advanced Features: Created RESTful APIs and a dashboard, accelerating stakeholder decision-making by 40% and streamlining case assignments from managers to officers.

PROJECTS

- b4zero Startup Validation System (WIP) Next.js, Node.js, MongoDB
 Developing a multi-stage platform that helps founders validate startup ideas and investors filter high-potential opportunities through structured checkpoints and scoring.
- Al-Powered Stock Sentiment Dashboard *Python, Transformers, React*Aggregates financial news and social sentiment to score stocks in real time, helping beginner traders anticipate market trends and make informed decisions.
- Money Transfer App React, Node.js, Plaid, Dwolla
 Full-stack fintech app supporting account linking, authentication, and peer-to-peer transfers, with emphasis on security, usability, and transaction integrity.
- **Grocery Management System** *React Native, Node.js, MongoDB*Mobile app enabling barcode scanning, inventory tracking, and checkout replacing manual cashier workflows for small grocery stores.

EDUCATION

Software Engineering Technology | GPA: 4.4/4.5

Sep 2022 – April 2025 Centennial College Toronto, ON

TECHNICAL SKILLS

Java, JavaScript, TypeScript, Python, C# Languages:

Frameworks: Spring Boot, React, Angular, Node.js, Nest.JS

MongoDB, MySQL, SQL Server, Oracle SQL Developer Databases:

Cloud & Tools: AWS, Azure, Git, CI/CD, Agile