ALAN MARTIN

SOFTWARE DEVELOPER II

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alan.edward.martin@gmail.com | github.com/alan-emartin | alanmart.in | [LinkedIn](https://linkedin.com)

PROFESSIONAL OVERVIEW

Frontend-focused software developer with a strong foundation in TypeScript, React, and modern web tooling. Experienced in building and scaling design systems and high-performance user interfaces, with additional contributions to backend systems and infrastructure. Skilled in testing, component libraries, GraphQL, and CI/CD pipelines. Adept at quickly mastering new frameworks and eager to bring a collaborative, open-source mindset to GitLab's all-remote mission.

WORK EXPERIENCE

Xanadu Quantum Technologies | Toronto Canada, Software Developer II   September 2023 - Present
- Led design and development of a company-wide search command palette, improving navigation and content discovery.
- Configured Markdown best practices and built custom markdown components to render consistent, author-driven content across PennyLane's AI marketing and content pages.
- Migrated core content from Gatsby to Next.js, enabling SSR and reducing build times by 40%.
- Mentored peers on TypeScript best practices and improved type safety across data fetching, shared components, and internal utilities.
- Led end-to-end development of QML content pipelines—from ADR collaboration and database schema design to exposing data via GraphQL and building frontend pages to serve structured demonstrations.
- Built PennyLane's search functionality across frontend and backend—translated UX designs into UI components, implemented filters and interactions, and contributed to backend query logic and API design.

Transparent Kitchens — Tablz | Ottawa Canada, Software Developer   August 2022 - June 2023
- Contributed to the backend architecture for the second version of the admin panel, improving system maintainability and scalability.
- Resolved critical checkout flow issues, significantly reducing cart abandonment and improving customer retention.
- Improved accessibility and user experience across the client-facing 3D reservation platform.
- Mentored co-op students and junior developers, supporting recruitment and onboarding efforts for four Waterloo engineers.

Ambassador AI | Toronto Canada, Full Stack Engineer   September 2021 - August 2022
- Built a website builder and custom CMS used by hundreds of restaurants to establish an online presence during the COVID-19 pandemic.
- Created a POS system for use in restaurants and bars to streamline order and payment processing.
- Integrated external APIs (Google, Facebook, etc.) to streamline online ordering and improve the customer experience.
- Developed full-stack features using TypeScript, React, Node.js, and MongoDB; deployed production services via Heroku and Express.

Fülhaus |Montreal Canada, Front End Engineer   December 2020 - August 2021
- Helped build and optimize a new e-commerce marketplace and blog, enhancing customer experience, improving SEO, and driving engagement.
- Aided in developing an internal component library to enforce consistent UI design and accelerate development across products.

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WORK EXPERIENCE CONTINUED

LeapGrad | Toronto Canada, Software Developer (Internship)   June 2020 - October 2020
- Assured code quality and reliability by implementing tests for existing React components.
- Collaborated with the development team to fix bugs and ensure a successful early MVP release targeting Waterloo and University of Toronto students.

EDUCATION

Juno College of Technology | Web Development Immersive Certificate   2020

TECHNICAL SKILLS

TypeScript	JavaScript	Python	Golang
React	Next.js	Gatsby	TailwindCSS
Storybook	Vite	SCSS/CSS	GraphQL
Express.js	NestJS	FastAPI	SQLAlchemy
TypeORM	Docker	Terraform	AWS
Github Actions	Gitlab CI/CD	Jest	Cypress
Pytest	Postgres	MongoDB	TanstackQuery
Sphinx	Jinja	Redux	Apollo

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Boot.dev | Golang, Python, CI/CD with GitHub Actions & Docker, Algorithms, SQL, OOP
Udemy.com | Go: The complete Developer's Guide, Rust Programming for Beginners
NestJS.com | NestJS Fundamentals, NestJS GraphQL (Schema-first approach)