

Danhang Liu

FULL-STACK SOFTWARE DEVELOPER

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PROFESSIONAL SUMMARY

Full-stack software developer with over four years of experience building and maintaining web applications, REST APIs, and data-driven systems. Proficient in Python, Django, React, TypeScript, Node.js, PostgreSQL, automated testing, CI/CD, Docker, and AWS. Experienced in translating business requirements into reliable, maintainable software and collaborating with product, UX, and technical stakeholders. Adaptable, detail-oriented, and committed to continuous learning.

TECHNICAL SKILLS

Backend: Python, Django, Node.js, REST APIs, GraphQL

Frontend: React, TypeScript, JavaScript, HTML, CSS

Databases: PostgreSQL, MySQL, SQL

Testing & DevOps: Jest, Testing Library, Git, GitHub Actions, Docker, AWS, Linux

Additional: Authentication, API integration, CI/CD, Agile development

EXPERIENCE

Independent Software Projects & E-commerce | Toronto, ON | Nov 2023 - Present

- Built and shipped production-style web applications using React, TypeScript, serverless APIs, and PostgreSQL, delivering features through focused pull requests and structured testing.
- Designed responsive user interfaces, integrated authentication and data persistence, and implemented secure access patterns for user data.
- Managed small e-commerce product experiments and customer workflows while balancing technical delivery, operational planning, and user needs.

AIRM Consulting Ltd. | Winnipeg, MB | Jun 2019 - Oct 2023

Software Developer

- Developed and maintained full-stack features for a precision-farm insurance platform using Python, Django, React, GraphQL, and PostgreSQL.
- Built RESTful APIs and integrated front-end interfaces, collaborating with product, UX, and business stakeholders to deliver reliable workflows.
- Implemented Auth0 authentication and multi-factor authentication, strengthening account protection and reducing exposure to unauthorized access.
- Expanded automated test coverage by 30% with Jest and Testing Library, reducing regression risk and improving release confidence.
- Containerized applications with Docker and used Linux, Postman, and logs to validate application and API behavior.
- Improved Mapbox GL field visualization, contributing to a reported 20% increase in the accuracy of insurance exposure and pricing estimates while collaborating with product, UX, farmers, and insurance stakeholders.

SELECTED PROJECT

AI Job Application Assistant | Personal Portfolio Project | 2026

- Built and deployed a full-stack application with React, TypeScript, Supabase/PostgreSQL, REST APIs, and AI integration for resume-to-job matching and application tracking.
- Implemented Magic Link authentication, per-user data security, persistent application records, PDF resume generation, automated tests, and CI/CD with GitHub Actions.
- Used feature branches, focused pull requests, code review, and manual acceptance testing to deliver maintainable production releases.

EDUCATION

University of Manitoba | Computer Science | Winnipeg, MB