# Alex Tanasescu

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Citizenship: Canadian, Romanian (European Union)

## Summary

AI product engineer and full-stack developer with a BSc in Computer Science (Information Security specialization, GPA 3.8), experienced building AI-integrated web and mobile applications from requirements through deployment. Co-founder of Fetchd, an AI pricing-intelligence and grocery-list app, and founder of Charted, an AI trip planner. Works in TypeScript, React, Python, and Flutter, and integrates LLM APIs, OCR, and NLP pipelines into the products I build.

## Skills

**AI/ML**: OpenAI and Anthropic APIs, LLM Workflows and Agents, NLP, OCR, Pandas, NumPy, TensorFlow, PyTorch.
**Languages & Frameworks**: TypeScript, JavaScript, Python, React (Next.JS), Node.js/Express, HTML5, CSS (Tailwind), Dart, Flutter, SQL, REST APIs.
**Data & Tools**: Supabase, Firebase, MongoDB, Git Version Control, Linux, AI-Assisted Coding Tools (Claude Code, Cursor).
**Practices**: Agile (Scrum, Kanban), Testing and QA, Secure Coding Fundamentals (Information Security specialization), Application Lifecycle (design, build, test, deploy).
**Soft**: Problem-Solving, Communication, Cross-functional Collaboration, Attention to Detail, Adaptability, Leadership.

## Education

**University of Calgary** — Calgary, AB
*BSc. Computer Science, Information Security specialization, GPA: 3.8* — *September 2017 – April 2023*
- Credit standing: Distinction, Dean's List

## Experience

**DataAnnotation** — Remote
*AI Trainer – Software Engineering* — *July 2026 – Present*
- Evaluate and rewrite LLM responses to graduate-level software-engineering and mathematics problems, producing correctness and reasoning feedback used to fine-tune large language models.

**WildByte** — Alberta, Canada
*Freelance Web and Mobile Developer* — *July 2024 – Present*
- Deliver websites, mobile apps, and process automation for small-business clients.
- Building websites for clients since 2018, starting with a paid site for Retraft Solutions, an oil and gas automation provider, that increased client engagement by 25%.

**nomorePAPER** — Calgary, AB
*Application Developer / AI Integration Specialist (project-based after June 2024)* — *March 2024 – July 2026*
- Owned delivery of 5+ AI-integrated client applications end to end: requirements, technical specs, architecture, build, QA, and deployment.
- Shipped NLP and predictive-analytics features into production apps, improving user task efficiency by 20%.
- Translated client business needs into feature specs and iterated on stakeholder feedback, cutting error rates by 15% through continuous testing.

**GAM Tech** — Calgary, AB
*Business Development Manager / Junior Specialist* — *April 2023 – January 2024*
- Spotted gaps in sales tooling and built an NLP email parser that auto-scheduled Zoom meetings from message content, plus a call analyzer that scored client satisfaction from recordings.
- Used first-hand feedback from 70+ daily client calls to shape internal AI tools, contributing to a 15% lift in sales conversions.

## Projects

**Co-Founder @ Fetchd** | *Flutter, Python, Supabase, Google Vision OCR* — *April 2026 – Present*
- Co-founded Fetchd, a consumer app that optimizes users' grocery lists, powered by an AI pricing-intelligence platform that turns unstructured retail flyer images into structured deal data for retailers, CPG brands, and marketplaces.
- Built the OCR extraction pipeline (Google Vision API, Tesseract fallback) with spatial clustering and RapidFuzz product normalization.
- Built the Flutter mobile app and led product strategy and market positioning for the platform.

**Founder @ Charted** | *Flutter, Riverpod, Supabase, flutter_map* *May 2026 – Present*

- Evolving WanderQuest into Charted, an AI trip-planning app that generates personalized multi-city itineraries, with a visited-places world map and user-generated location pins.
- Implemented custom map interactions, including great-circle route arcs between cities and a persistent visited-places layer, for a polished, native-feeling experience.

**Books2Beats** | *React, JavaScript, OpenAI API, Spotify API* | books2beats.vercel.app *October 2025*

- Shipped a live web app that turns a book's mood and themes into a personalized Spotify playlist, using OpenAI for semantic analysis and Spotify OAuth for playlist creation.

**RSNA Knee Abnormality Detection (Kaggle)** | *Python* | GitHub *September 2026 – October 2026*

- Built a machine learning model from scratch to detect abnormalities in knee MRI scans for the RSNA Kaggle competition, as part of a four-person team.
- Took over and built the team's submission notebook, combining the model with teammates' data-cleaning and optimization work.
- Publishing a detailed write-up of the approach and lessons learned on GitHub.