

andrewchalupa@pm.me
+1 226 501 4867
Toronto, Canada

ANDREW CHALUPA

Software Engineer

andrewchalupa.com
github.com/achalupa27
linkedin.com/in/achalupa27

WORK EXPERIENCE

VG Meats | Lead Engineer | Dec 2022 - Present | Remote

- Led and executed the migration of company data from **500+ Google Sheets** to a new **centralized ERP system**, enhancing data consistency and accessibility.
- Orchestrated the deployment of **cloud-based systems** on **Google Cloud**, ensuring **99.9% uptime** for **50+ daily users**.
- Synced internal databases and data warehouses with third-party data sources via **API polling** and **webhooks**, **automating data updates** and improving reporting accuracy.
- Automated meat processing schedules, increasing production efficiency by **50%** and cutting planning time by **10x**.
- Developed scripts that fully automated repetitive tasks, **eliminating the need for human intervention**.
- Optimized cloud infrastructure and resource allocation, achieving a **32% reduction** in monthly cloud **costs**.
- Championed the adoption of **real-time inventory data integration** and dynamic order calculation, streamlining stock ordering, reducing order placement time, and enhancing order accuracy.
- Centralized sales data in a data warehouse for ML analysis, resulting in an **8% increase** in sales revenue.
- Introduced interactive visualizations such as heatmaps and sankey diagrams, enabling management to **identify trends**, **spot fraud**, and make informed decisions.
- Implemented ERP features for **data validation** and **cleanup**, ensuring data integrity and improving organization.
JavaScript, Python, Django, FastAPI, React, Tailwind, HTML, CSS, jQuery, REST, Vercel, Docker, Google App Script, Google Cloud: BigQuery, MySQL, Artifact Registry, Cloud Run

PROJECTS

Cleantrades.com | Stock Journal & Research | Personal Trading Platform | 2022 - Present

- Built a **real-time trading application** featuring charting, watchlists, fundamentals, screeners, and trade journaling.
- Implemented an interactive **candlestick chart** using **D3.js**, enhancing the stock research experience.
- Bypassed the default broker order flow via API and automated share sizing, **tripling order placement speed**.
- Developed **web scrapers** to extract stock data from multiple websites on a scheduled interval, ensuring up-to-date data.
- **Refactored the codebase** to improve structure and scalability, enhancing development efficiency.
- Automated trade journaling by developing **parsers** for importing trades from multiple brokers, reducing manual entry.
- Implemented a dedicated discussion and ideas area for stock ideas and insights, encouraging user **engagement**.
React, Redux, TypeScript, Tailwind, Next.js, Vercel, Vitest, Supabase, PostgreSQL, REST, Python, FastAPI, Stripe

Lunaria.space | Personal Finance Manager | 2023 - Present

- Developed an **AI-powered insights** system that analyzes financial habits, providing actionable recommendations to help users improve financial decisions.
- Built tools for tracking and analyzing income, expenses, and savings, enhancing **financial organization**.
- Designed **visual dashboards** that display financial data clearly, improving user experience and decision-making.
- Developed a **responsive, accessible** marketing page with **cross-browser** support, improving reach and user experience.
- Leveraged Storybook for UI **documentation** and Vitest/Playwright for **testing**, ensuring reliability and code quality.
- Integrated Stripe for **payments**, including subscription term changes and plan management.
- Implemented type-safe forms using Zod and React Hook Form, improving **data validation** and **error handling**.
React, Redux, Next.js, TypeScript, Shadcn, Tailwind, Vercel, Node.js, Supabase, Stripe

Lightsuite.ca | All-in-One Self Development Platform | 2023 - Present

- Developed a user-friendly dashboard to track multiple areas of self-improvement, focusing on life, body, and mind.
- Implemented TanStack Query to cache API calls, optimizing performance and **reducing redundant data fetching**.
- Integrated Google One Tap, resulting in faster user authentication and **easier onboarding**.
- Engineered factory files to streamline the creation of services and hooks, boosting **code consistency** and **improved predictability** across the codebase.
React, Redux, Next.js, TypeScript, Tailwind, Vercel, Supabase, Stripe, Figma

SKILLS

Front-End: Next.js, React, TypeScript, JavaScript, HTML, CSS, Node.js, Tailwind, Sass, jQuery

Back-End: Supabase, Django, FastAPI, REST

Databases: PostgreSQL, MySQL

Tools & DevOps: GitHub, Docker, Vercel, Vitest, Photoshop

Concepts: Responsive Web Design, CI/CD, WCAG, SEO, SDLC, Agile

EDUCATION

B.Sc. Computer Science | University of Guelph