WILLIAM EWANCHUK

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EDUCATION

University of Alberta	Cumulative GPA – 3.0
Computer Engineering Co-op Program	**Work term availability - April 20th, 2026**

SKILLS

Programming Languages - Python, Javascript, Typescript, Java, C, C++, Html, CSS, Bash, SQL, PHP
Web Development - React.js, Next.js, Django, Flask, Express, Node.js, Htmx, Tailwindcss, Bootstrap
Databases - MySQL, PostgreSQL, SQLite, MongoDB
DevOps/Infrastructure – AWS Certified Cloud Practitioner (in progress)**,** Nginx, Git, GitHub Actions/hooks, Docker, Gradle, Maven, AWS EC2/EBS, UNIX/Linux, Makefile, Virtual machines (VirtualBox/VMware)
Testing & Practices – Unit testing, Junit, Pytest, REST API testing, CI/CD Workflows, Agile Development

EXPERIENCE

*Software Engineer***:** Full-Stack Developer
November, 2024 – August 2025 (10 Months)
Company: Stepscale.ai
Stack - Django, PostgreSQL, Langraph/Langchain, Openrouter, AWS Elastic BeanStalk/Cloudwatch, Docker, Pipedream, Composio, Stripe, Figma, GitHub Actions, Jira
- Implemented a Redis caching layer to pre-warm LLM conversations for integrations, reducing repeated API calls and improving response latency for agent workflows by 40%.
- Integrated Amplitude analytics and configured dashboards to track LLM tool-call errors/logging, page navigation, heatmaps, and landing-page bounce rates, enabling the team to quickly spot failing LLM tool calls and pages with high drop-off.
- Refactored LLM-generated report export pipeline to support PDF/Word/Excel and Google integrations (Gmail, Google Drive, Google Sheets).
- Designed and maintained backend API routes for Stripe billing (pricing tiers, subscriptions, and webhooks), as well as tested payment flows in sandbox environments.
- Built an AI sandbox for agents so they could safely run/iterate scripts inside isolated Docker containers.
- Monitored and debugged deployments using AWS CloudWatch/GitHub Actions across local, staging, and production environments.
- Defined a lightweight UI review checklist for interns (screenshots, Figma links, acceptance criteria) and participated in code reviews for Jira-ticketed features, focusing on API correctness and UI consistency.

PROJECTS

*Co-op Tracker***:** Full-Stack Developer
April, 2024 – Nov, 2024
Stack - React.js, Express, MySQL, Node.JS, Tailwindcss, JQuery, Docker, AWS EC2
- Developed a job application tracking system for UofA co-op students, with features to help coordinators monitor student placements.

- Built charts for daily, weekly, and monthly application volume to help users track outreach over time.
- Implemented cookie-based authentication, managing client-side login and server-side refresh tokens.
- Secured routes using an auth provider, Axios interceptors, React context, and Express middleware.
- Executed web scraping for job postings from Indeed, utilizing jQuery for data extraction based on user-defined keywords using Puppeteer.
- Deployed as a scalable multi-container application using Docker Compose and a Nginx reverse proxy on AWS EC2 with secrets managed via GPG-encrypted dotfiles and AWS Secrets Manager.

Insider Trading Tracker: Back-End Developer
March, 2024 – July, 2024
Stack – Docker, HTTP server, cron jobs, Postgresql, FMP reporting APIs
- Built automated Python ETL pipeline tracking insider trades via Scheduled hourly cron jobs, aggregating data from 3 financial API (options, pricing, trades) processing 10 of the most recent publicly disclosed congressional trades.
- Implemented automated error logging/handling of requests (timeout/cron.log) as well as DB logging for long term monitoring API outages, performance, success/fail rates.
- Automatically generated plots comparing trade and disclosure dates with historical options data to highlight potential correlations.
- Deployed through bash scripting and docker-compose for repeatability and ease of DB container spin up/down.

Chess Game Website: Front-End Developer
March, 2024 – July, 2024
Stack - Next.js, Django, PostgreSQL, TailwindCSS, Shadcn, Vercel
- Developed a chess game platform with interactive boards and player stats.
- Used TailwindCSS for layout and the Shadcn library to create carousel, tables, display elements.
- Deployed on Vercel for performance and automated git deployments.
- Integrated Django and PostgreSQL for user authentication and game data storage.

ADDITIONAL WORK EXPERIENCE

Server Technician   June, 2024 – July, 2024
Company: Recon Audio Visual
- Coordinated between remote server technicians. Ensured each Starbucks location was able to maintain a working server configuration without any service interruptions.
- Documented and replaced all of the individual components/ports used in the reinstallation and added permanent tags/labels and ID codes for networking ports, replacement power cabling, pre/post server rack installation condition for dispatch.
- Utilized Trello application throughout installation to record time of installation, delays, installation approval coordination between remote technicians, photo submission and contact information.

SCHOLARSHIPS AND AWARDS

- The Faculty of Engineering Iron Standard Entrance Scholarship (5000$)
- The Walter and Edith (Hughes) Fryers Undergraduate Scholarship (1300$)
- Alex Rutherford Scholarship (1300$)