

WORK EXPERIENCE

Horizon Digital

Software Developer

July 2022 – Present

Remote – Toronto

- Design and develop **responsive** websites and landing pages (**HTML**, **CSS**) for desktop, tablet and mobile
- Translate **client requirements**, branding and business goals into functional web interfaces, turning unclear ideas into structured **frontend solutions**
- Improve and maintain existing client sites through **UI/UX** changes, layout improvements and responsive-design updates as requirements change

FenInvestments

Founder, Developer & Trading Mentor

August 2019 – Present

- Founded and run a trading education and technology business (mentorship, community, research, custom trading software); personally mentored **600+** traders
- Published 4 public **TradingView** indicators in **Pine Script**; the **CRT Indicator** alone has **8,000+** users
- CRT Indicator flags bullish and bearish **Candle Range Trading** patterns on-chart, iterated with real-trader feedback to add **alert** functionality

PROJECTS

MBATS – Microservices-Based Algorithmic Trading System

Software Developer – Trading Systems & Automation, for Horizon Digital

February 2026 – Present

mbats-system.web.app/

- Develop an end-to-end trading platform (**Python**, **FastAPI**, **PostgreSQL**, **Redis**, **Docker**, **Airflow**, **nginx**) from market data and signals through execution, monitoring and analytics
- Built the automated trading path: **TradingView** webhook ingress, alert/execution logic and position monitoring, paper-trading options on **Interactive Brokers**
- Designed **TradeVault**, a **Vue 3** + **FastAPI** trade journal (P&L, win rate, best/worst trades, calendars) that presents dense trading data without overwhelming the user

Atlas – Agentic Business Workflow Platform

Software Developer – AI & Automation, for Horizon Digital

July 2026 – Present

- Designed and built **Atlas**, an agentic workflow platform of purpose-specific **AI agents** automating operations for a live client, **Vos Restaurante Argentino**, Toronto
- **Promotion Agent** turns one business input into social posts, email campaigns, web copy and ads; **Schedule Agent** drafts staff schedules for management approval
- Built the platform core: **LangGraph** orchestrator, human-in-the-loop approvals inbox, notifications, adapter interfaces, a provider-agnostic **LLM gateway** and an **OR-Tools CP-SAT** staff-scheduling solver

TECHNICAL SKILLS

- **Programming:** Python, SQL, JavaScript/TypeScript, Pine Script, HTML/CSS
- **Frontend & UI:** Vue 3, React, Responsive web design, UI/UX design
- **Backend & APIs:** FastAPI, Pydantic, REST APIs, nginx, Firebase Auth, Interactive Brokers API
- **Data & Infrastructure:** PostgreSQL, Redis, SQLite, Docker, Airflow, MinIO, Superset BI, Git/GitHub Actions
- **Machine Learning & Research:** MLflow, JupyterLab, Optuna, XGBoost, LSTM/PPO, OR-Tools CP-SAT
- **AI & Automation:** LLM & agentic workflows, LangGraph, Human-in-the-loop, Process automation

SOFT SKILLS

- **Financial & Industry Knowledge:** Financial markets, Technical analysis, Options & Greeks, Risk management
- **Communication & Leadership:** Trading mentorship, Client communication, Community management
- **Product & Entrepreneurship:** Business ownership, Product direction, Process analysis, User-driven iteration