

I'm a full stack developer with 5+ years of experience in designing, building, and maintaining complex web applications and backend systems. I'm a strong believer in cross-team collaboration to deliver effective software that meets business needs. I enjoy mentoring up-and-coming developers and exploring new technologies through real-world projects. Building impactful software is my passion and I'm eager to pour that energy into my next project.

Work experience

Team lead, ERP system and data engineering

2022 - Present

Golf Avenue, Montréal, QC

- Led a team of up to 5 full stack and BI developers, providing technical guidance and feedback to ensure successful project delivery
- Designed and developed a high-performance microservice for real-time price computation, achieving sub-100ms response times for business-critical operations (prototyped using FastAPI, ultimately implemented with Laravel)
- Led refactoring of the ERP's three largest modules, unifying business logic and integrating processes and data from an acquired company to enhance scalability
- Collaborated with cross-functional stakeholders to design solutions aligned with operational needs, resulting in streamlined workflows
- Worked with the procurement team to implement a dynamic pricing algorithm, optimizing margins based on market demand and inventory levels
- Built Grafana dashboards for real-time monitoring of sales, purchasing, and pricing KPIs, enabling better decision-making
- Revamped operational support procedures, reducing average resolution time from 1 week to 24 hours
- Contributed to talent acquisition, participating in interviews and assessments

Full stack developer, ERP system

2021 - 2022

Golf Avenue, Montréal, QC

- Refactored the Laravel-based ERP monolith into modular components, improving maintainability and deployment speed
- Developed and deployed features for shipping, purchasing, pricing, and inventory management while concurrently refactoring the ERP system
- Championed best practices including automated testing (PHPUnit), static analysis (PHPStan), and code reviews via training and documentation, boosting code quality
- Documented modular architecture and interactions using diagrams, facilitating team onboarding and future development
- Integrated and replaced legacy systems from an acquired company, streamlining their functionalities into the core software stack

Toolbox

Python

FastAPI, NumPy, pandas

PHP

Laravel, Symfony, PHPUnit

JavaScript

TypeScript, React, Next.js, Vue, Angular

SQL

PostgreSQL, pgvector, MySQL

DevOps

CI/CD, Docker, AWS, Pulumi, Ansible

Java

Spring Framework, JUnit, Mockito

Go

Personal favourite

C/C++

Solid foundation with eagerness to improve

Personal projects

Retail portfolio

Open-source portfolio tracker for retail investors (Python, FastAPI, PostgreSQL, Svelte)


Contrails

Cross-platform client app with API backend to manage X-Plane addon installation (Go, PostgreSQL, Vue, Electron)


Away stats


Online game performance tracker using official game API data (PHP, Symfony)

Soft skills

 Teamwork

 Attention to detail

 Understand business requirements

 Self-learner

 Curiosity

Full stack developer, HR system and public website 2019 - 2021

Optimum Informatique, Montréal, QC

- Developed and maintained a Spring Boot and Angular web app for the HR department to track employee performance reviews
- Helped resolve slow database query issues with the in-house CRM (Spring Boot)
- Led the development of a new solution leveraging a headless CMS and Next.js, significantly improving scalability and maintainability for the company's website portfolio

Education

B.Sc. Computer Science and Software Engineering 2018 - 2020

Université du Québec à Montréal

- Dean's List of Excellence, 2019
- Focused on professional development opportunities to rapidly build skills through independent learning and hands-on projects.

Professional development

6.86x - Machine Learning with Python 2020

MITx (online)