Antoine Boucher

FULL STACK DEVELOPPER

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Profile

Bachelor's Degree in Information Technology Engineering from École de technologie supérieure. Experience as a full-stack and web front-end developer. Open source contributor. Linux fan. AWS Certified Cloud Practitioner

Skills

Languages	Python, Kotlin/Java, JavaScript, C++
Backend	FastAPI, Django, NestJS, Spring Boot, GraphQL
Databases	PostgreSQL, MongoDB, Redis
Frontend	HTML, CSS, JavaScript, React, jQuery
Data Science	Python, Pandas
DevOps	Docker, Actions, Ansible
Cloud Services	AWS, Azure

Experience

École de technologie supérieure (ÉTS)
Montreal, Hybrid

Contract Part-time Teacher Assistant — *Feb 2024 - Now*

- Provided on-site assistance and support for the TCH057 Mobile Applications and User Experience course, focusing on practical applications of UI design and implementation.
- Assisted in setting up new course material with PostgreSQL (pgvector) for the GTI660 Multimedia Databases course.
- Corrected practical applications and answered students' questions about course material for both TCH057 and GTI660.
- **Technical Skills:** PostgreSQL, Python, Android Studio, UI, Design, Prototype.
- **Soft Skills:** Teaching, Communication.

IONODES
Laval, Hybrid

Cloud Developer — *May 2023 - Aug 2023*

- Designed and implemented a 3-tier subscription system with organization-based permissions using Auth0 for the IoT platform.
- Developed Sentry SDK integrations in C to enhance logging with Serilog.
- Acquired knowledge on ONVIF and WebRTC.
- **Technical Skills:** .NET6, UML, Word, Azure, Microservices, Auth0.
- **Soft Skills:** Design, Deployment, Documentation.

Intact Labs
Montreal, Hybrid

Backend Developer — *Jan 2022 - Apr 2022*

- Developed a microservice for new client registration for the Belairdirect and Intact mobile applications using Kotlin and GraphQL under SAFe methodology.
- Enabled inter-microservice communication with GraphQL and Kafka for insurance user data.
- Implemented a 2-factor authentication (2FA) API for the mobile application.
- **Technical Skills:** Kotlin, Java, Microservices, GraphQL, Kafka.
- **Soft Skills:** SAFe, Kanban, Scrum, Collaboration.

Power Go
Montreal, At Home

Full Stack Developer — *Sep 2020 - May 2021*

- Created tables for managing the sale of used vehicles on resale sites like Facebook Marketplace and AutoHebdo, and imported/exported specialized data for communication with APIs (XML, JSON, CSV, EXCEL).
- Developed a real-time currency exchange rate conversion system for export to API.
- **Technical Skills:** Python, Django, JavaScript, VueJS, PostgreSQL.
- **Soft Skills:** Kanban, Scrum, Client Feedback, Specification.

Divine Essence/Union-Nature
Dorval, Hybrid

Web Specialist — *Jun 2020 - Dec 2020*

- Redesigned the blog in both French and English to enhance user engagement. Improve website aesthetics and functionality.
- Created custom dynamic sales labels for search optimization on Commercebuild.
- Developed custom add-to-cart API calls for Commercebuild to streamline the purchasing process.
- Provided technical support and managed the messaging support line.
- Implemented and managed 3CX chat bots to improve customer interaction.
- **Technical Skills:** JavaScript, HTML, CSS, API Development.
- **Soft Skills:** Client Communication, Problem-solving, Time Management, Teaching.

Wandrian

Full Stack Developer

Montreal, On Site

May 2019 - Jan 2020

- Used a graphic design system for web components on shop.italiarail.com and implemented business logic for the train ticketing system.
- Developed an end-to-end automated testing system to replace manual interface tests (TestRail), and ensured Internet Explorer 11 compatibility of the website.
- Created an API endpoint for the train ticketing system.
- **Technical Skills:** Python, Django, JavaScript, JQuery.
- **Soft Skills:** Kanban, Scrum, Full Stack, Testing.

Education

École de technologie supérieure (ÉTS)

Master's Degree in Information Technology Engineering, M. Ing.

Montreal, Canada

Aug 2023 - Dec 2025

- Activities and societies: Administration at AlgoÉTS
- Profile with project (course type)

École de technologie supérieure (ÉTS)

Bachelor's Degree in Information Technology Engineering

Montreal, Canada

Sept 2017 - Apr 2023

- Specialization in Cloud Infrastructure
- AlgoETS Club Admin 2023-2024

Collégial Sainte-Anne

Cegep Diploma in Pure Science

Lachine, Canada

Sept 2015 - Jun 2017

- Manager of the MakerSpace
- Internship Algolux (Pipeline Camera Optimisation)

Achievements

AWS Cloud

Certifications

AWS

2024

- AWS Certified Cloud Practitioner
- AWS Cloud Quest: Data Analytics
- AWS Cloud Quest: Networking
- AWS Cloud Quest: Cloud Practitioner
- AWS Cloud Quest: Machine Learning
- AWS Cloud Quest: Serverless Developer
- AWS Cloud Quest: Solutions Architect

Projects

AlgoÉTS

Co-captain of the Cloud Team

École de technologie supérieure

Jan 2023 - Now

- Led and coordinated multiple cloud computing projects, ensuring effective team collaboration and project completion.
- Projects included the "Python for Backtesting 101 Workshop," which focused on utilizing Python for financial backtesting, including market data analysis, algorithmic strategy development, and backtesting techniques.
- Conducted a data science project on salary analysis, leveraging statistical methods and data visualization tools.
- Developed a Monte Carlo stock prediction model to simulate and predict stock prices.
- Organized and led meetings and workshops to facilitate knowledge sharing and skill development among team members.
- Managed the administration and financing of the AlgoÉTS club, ensuring smooth operations and resource allocation.

Languages

French	Native proficiency
English	Fluent proficiency
Spanish	Learning