

CHARBEL TABET

Montreal, QC · charbeltabet.com · charbeltabet@live.com

WORK EXPERIENCE

Self-employed

Full-stack web developer

Montreal, QC
August 2023 - Present

- Built an omni channel which allows ecommerce merchants to create products and decide on which platform to sell them and for what price. (omni.edi2xml.com)
- Migrated wordpress blogs using deprecated versions to a new dockerized setups using the latest images, without downtime.
- Administrated linux virtual machines and setup database backups.
- Used: React.js (remix.run), Ruby on Rails, MySQL, nginx, sentry.

Shopify

Backend Developer Intern - payment service foundations team

Montreal, QC
January 2023 - April 2023

- Implemented horizontal scaling for a large database, by sharding tables and making GraphQL queries and mutations which use them require a sharding key. Additionally, implemented jobs to automatically remove old records, improving database efficiency and reducing storage costs.
- Created a dashboard to monitor Shopify's payment providers response times and response codes. The dashboard provides visibility for quick identification and resolution of providers related issues.
- Added logic in shopify's core monolith to
- Used: Grafana, Prometheus, Mode analytics, MySQL, OpenAI's API, technologies used in the last internship.

Shopify

Backend Developer Intern - money infrastructure team

Montreal, QC
January 2022 - August 2022

- Implemented the bank transfer API of Westpac which allowed Shopify capital's launch in Australia,
- Assessed the impact of supporting the eight-digit ISO BIN standard for credit cards and executed this migration,
- Overhauled an internal admin dashboard and made it more developer friendly,
- Received training on how to deal with PII and PCI and dealt with such data in a compliant manner.
- Used: Ruby, Rails, Sorbet, MySQL, Polaris, GCP, Splunk, Datadog, Github actions, Buildkite.

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Junior Developer

Montreal, QC
January 2021 - January 2022

- Implemented new functionalities to a monolithic rails application,
- Took full ownership of projects I worked on through errors monitoring and followups,
- Wrote fully unit tested simple code that was always swiftly approved,
- Enjoyed taking on challenging tasks such as:
 - Asynchronous and multi-threaded sidekiq background jobs for the importation of massive spreadsheets.
 - Server-side encryption module for sensitive files. Supports any symmetric or asymmetric encryption algorithm provided by the OpenSSL gem.
- Used: Ruby on Rails, Vue.js, Python, AWS S3, I18n, Airbrake, Jenkins, Bitbucket pipelines, Jira.

EDUCATION

Université de Montréal

Bachelor (B. Sc.) in Mathematics and Computer Science

Montreal, QC
2022 - Present

Polytechnique Montréal

Preparatory Engineering Courses

Montreal, QC
2020 - 2022

NON TECHNICAL

Languages: English, French

Traits: Extreme ownership, Curiosity, Willingness

Interests: Artificial intelligence, Machine learning, Math.