

ALEXANDRE TRENDEL

Senior software programmer and architect, Montréal.
Always looking for new ways to build software.

🇫🇷 French, english
☎ (438) 543-5962
✉ alexandre@trendel.ca
🐙 github.com/xou816
🌐 alexandre-trendel-93301b12b

Professional experience

Software Architect, Desjardins 📍 Montréal, Québec



From July 2025

Responsible for the design of several APIs related to the authentication process.

- responsible for refining the requirements with business actors;
- use of **Archimate** to document the applications and their context;
- I developed several PoC to help my team appropriate new technologies (**Kotlin** , **Kafka** , **CosmosDB** ...).

Software Developer, EXFO 📍 Montréal, Québec



From June 2023, ⌚ 2 years

Development of a cloud-based IP monitoring solution:

- development of **Rust** based test probes and of an orchestrator based on the **Kubernetes** API;
- I co-designed a lightweight test orchestrator in **Rust** ;
- I helped design and develop new **Go** services (**AWS Neptune** , Helm, Gitlab CI).

Analyst-Programmer, Desjardins 📍 Montréal, Québec



From September 2021, ⌚ 2 ans

Consulting Analyst-Programmer at Desjardins for Maplr:

- **Spring Boot** REST API development, Azure SQL database;
- I promoted switching to **GitFlow** , to help support both production patches and feature development;
- in line with this, I **reworked our CI/CD pipeline** to deploy individual pull-requests as independent apps, thus ensuring individual branches were tested in an isolated and reproducible way.

Full-stack Engineer, SNCF Connect & Tech 📍 Nantes, France



From November 2019, ⌚ 2 years

Development of the (now retired) Oui.sncf iOS app in an agile team:

- iOS development in **Swift** (MVVM design pattern, reactive programming using RxSwift);
- helped with production supervision and support (investigated bugs and developed patches);
- I **created a declarative UI framework** inspired by SwiftUI, enabling **faster development**;
- I **studied and redesigned** several legacy core components (Objective-C) of the application.

From December 2016, ⌚ 3 years

Full-stack web development for Oui.sncf, a subsidiary of SNCF selling train passes in France and Europe:

- micro-services development (**Spring WebFlux** , MongoDB, RabbitMQ);
- frontend development using **React** , Redux;
- applied **Domain Driven Design** principles.

Project Manager (Intern), Adfab 📍 Montréal, Québec



From April 2018, ⌚ 4 months

Met with clients to assess their needs and worked closely with the development team.

Notable non-professional experience

xou816/spot

Development of an open-source **Spotify** client for Linux desktops and mobiles, written in **Rust**, using the Gtk toolkit:

- ☆2k+ on Github, several recurring contributors;
- multithreaded application using the **Tokio** framework;
- designed a Redux-inspired architecture.

No longer maintained due to lack of time.

Education

Engineering student 📍 Nantes, France



2016 – 2019

A selective French school of engineering conferring a diploma equivalent to a Master's Degree.
Specialization in Applied Mathematics and Data Science.

Interests

Cooking enthusiast, year-round runner, avid fiction reader and indie rock fan.

References available upon request.