

# César Jeanroy

Software Engineer & Full stack developer



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## Work experience

### DevOps

1/18 - 6/18

[National Bank of Canada \(Database Administration\)](#), Montreal (Canada)

Worked building continuous integration

Created Ansible roles, playbooks and custom modules

Created Docker images

Helped coworkers to learn Docker, and Ansible through tutorials I made

**Perl / Python / Ansible / Bitbucket / Jenkins / Docker**



### Full stack engineering Internship (Ruby on Rails)

6/16 - 12/16

[Strava](#), San Francisco (United States)

Exposed new data on Strava Public and Internal API

Led engineering part of a critical project

Enhanced Strava web app using Haml, CoffeeScript and Backbone.JS

Strengthened Strava web app by fixing security issues

Programmed a Ruby parser to automate creation of clubs and events

Reviewed teammates code with GitHub

Organized data migrations on large datasets

**GitHub / Jira / Ruby on Rails / Haml / SASS / CoffeeScript / Backbone.js**



### Full stack developer & Java developer

4/14 - 5/16

[National Bank of Canada \(IT Operation\)](#), Montreal (Canada)

Designed and implemented 3 projects to monitor and send real time updates of production state

Designed applications for managers and CEO with access from any device to keep track of KPI

Designed API endpoints to create alerts and access live data production

**Java EE / JSP / JS / HTML / CSS / jQuery / Bootstrap / High charts**



### Teacher assistant (Software analyse and conception)

8/15 - 1/16

[École de technologie supérieure](#), Montreal (Canada)



Le génie pour l'industrie



## Education

### École de technologie supérieure (GPA: 3.75)

2013 - 2018

[Software Engineering](#), Montreal (Canada)

### University of New Mexico (exchange)

Spring 2017

[Software Engineering](#), Albuquerque (United States)



## Exciting school projects

### **Silo IoT** - [Node.JS](#) / [CoAP.JS](#) / [Angular](#) / [TypeScript](#) / [Docker](#) / [Jenkins](#) / [Heroku](#)

Created a single web page application, a REST API and a cloud infrastructure with continuous integration and auto deploy for an IoT project to monitor grain silo. One of the main challenge was the communication between the API and the devices using LTE and CoAP protocol instead of HTTP.

### **Unik social network** - [Node.JS](#) / [Angular](#) / [TypeScript](#) / [Docker](#) / [Jenkins](#) / [Heroku](#)

Created a single web page application with a REST API and a cloud infrastructure. Some public endpoints were used by others applications to create content on our social network. Users were able to create and join events, have friends and see their friend's activities.

### **Food delivery service** - [MySQL](#) / [JSP](#) / [Tomcat](#) / [JS](#) / [Google Maps API](#) / [PayPal API](#)

Created an app for a food delivery service. Customers can order food from the web application and pay with PayPal. Restaurants manage their menu and receive notifications when an order is placed. After an order is finished being prepared by the restaurant, the delivery man receives a notification to deliver the order to the client using Google maps to find the fastest route.

### **JPEG like encoder & decoder** - [Java](#)

Created a program to encode PPM pictures into a private file type using the same encoding process as JPEG.

### **Graph theory applied to snow clearance** - [Java](#)

Created a program to find the shortest path to clear the snow of a city, avoiding streets already prepared.

### **Fractal generation (Parallel & GPU prog.)** - [C](#) / [Open MP](#) / [MPI](#) / [Open ACC](#)

Created 3 versions of a program that generates fractals. The first version uses shared memory, the second version uses distributed memory and the third GPU computing.



## Personal Project

### **#CAMPCHICKENS2015** [Google Play](#)

Mobile application made for the training camp of my triathlon club.

This application gave access to the list of things that had to be brought, contact information and the map of the bike ride.

[PhoneGap](#) / [HTML5](#) / [CSS](#) / [JavaScript](#) / [Google Maps API](#)



## Free Time

Learn new technologies

Play drums and guitar

Practice triathlon in a club

Go to software meetup