

César Jeanroy

Software Engineer & Full stack developer



Montreal, Canada



+1 (514) 808 9205



contact@cesarjeanroy.com



cesarjeanroy.com



Work experience

DevOps

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

Working on continus integration with Bitbucket, Jenkins and Docker
Creating Ansible roles, playbooks and custom modules
Creating Docker images
Helping coworkers to learn Docker, Ansible and Jenkins through homemade tutorials

1/18 - Now



Full stack engineering Internship (Ruby on Rails)

[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

6/16 - 12/16



Full stack developer & Java developer

[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
Developed APIs to creates alerts and access live data production

4/14 - 5/16



Teacher assistant (Software analyse and conception)

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

8/15 - 1/16



Education

École de technologie supérieure (3.75 GPA)

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

2013 - 2018

University of New Mexico (exchange)

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

Spring 2017



Exciting school projects

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

Created a single web page dashboard, 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](#) / [Docker](#) / [Jenkins](#) / [Heroku](#)

Created a single web page social network 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](#) / [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 offered and receive notifications when an order is placed. After an order is finished being prepared by the restaurant, the delivery service receives a notification to deliver the order to the client using Google maps to find the fastest route.

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.

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.

Poker hands & Empirical calculation of probabilities - [C](#)

Created a program to find the rank of a hand (Straight flush, Four of a kind, ...). For each card in the hand, the program calculates the probability of getting an improved hand by discarding that one card and drawing a replacement from the cards remaining in the deck.



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.

Technologies: [PhoneGap](#), [HTML5](#), [CSS](#), [JavaScript](#), [Google Maps API](#)



Free Time

Spend time with my friends

Play drums and guitar

Practice triathlon in a club

Go to software meetup