

Filip Francetic

Software Developer

✉ ffrancet@edu.uwaterloo.ca ▪ [🌐 filipfrancetic.com](https://filipfrancetic.com) ▪ [🔊 Filip-F](#) ▪ [in FilipFrancetic](#)

Skills

- Languages: Javascript/Typescript, Python, Scala, Java, Bash, PHP, C, C++, Objective-C
- Frameworks and Tools: React, React Native, NodeJS, MongoDB, MySQL, PostgreSQL
- Experienced with Linux, Git and Docker

Employment

Credit Karma, San Francisco, California.

January–April 2019

DevOps engineer working on Crypto Services; Scala, Bash, Javascript

Key Management Service Reliability Test.

- Created and deployed to a new staging environment to host production services for the reliability test
- Developed Python test scripts to mimic production traffic and set up Splunk monitoring to observe failures
- Induced failure in staging environment to observe recovery time and find possible issues in recovery processes

Re-Encryption Tool UI.

- Built out webpage in React and supporting API in Node for key rotation/re-encryption tool from scratch
- Created build and deploy processes using CircleCI, and set up servers on which to run the UI
- Handled deploy and set up plans for later feature work on the project

Hustle Inc, San Francisco, California.

May–August 2018

Fullstack developer for P2P texting platform; fullstack Javascript

Message Analysis.

- Implemented inbound SMS message content analysis to extract metadata to inform various systems
- Project personally pitched, then fully planned, implemented, and documented by me

Other projects.

- Refactored image structure across codebase into external dependency, and added mobile support for images
- Worked on refactoring internal action flow to simplify data flow and increase modularization

GroupBy Inc, Toronto, Ontario.

September–December 2017

Developer for e-commerce product search platform; primarily worked in TypeScript

Real Time Biasing.

- Led work on a system for personalizing the order of products based on user's browsing habits
- Created a recommendations system which increases the relevancy of items based on a user's current preferences
- Built in customization to allow per-client configuration of overall impact of personalization on item order

Ingle International, Toronto, Ontario.

January–April 2017

Internal apps developer, primarily worked in PHP and JavaScript

- Led integration of third party insurance database into existing systems in order to improve performance
- Implemented robust PHP API for interfacing Ingle software with this third party application

Bronte College, Mississauga, Ontario.

April–August 2016

Developer for College applications, worked in Java and Javascript

- User Authentication System: Rebuilt user authentication using JSON Web Tokens to authenticate

Projects

Cryptocurrency Algorithmic Market-Making.

November 2016–Present

- Designed and implemented a Python 3 application to perform market-making on cryptocurrency markets
- Saw average of 8.8% monthly return on investment by running backtests to determine ideal parameters

Java Communication Application.

April–June 2015

- Developed client/server messaging modules and UI functionality for a custom-made Webchat in Java
- Designed and styled UI with JavaFX, used RMI as communications API

Education

Candidate for Bachelor in Honours Computer Science,

2015–2020

University of Waterloo, Waterloo, Ontario.

Other

- Trilingual in English, French, and Serbian
- Huge Super Smash Bros Melee fan
- Devoted Emacs user
- Avid long distance cyclist, loves taking long trips across Toronto