

# Stefan Manoil

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF WATERLOO

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## Skills

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**Programming** · Java · Python · Node.js · PHP · C/C++ · Ruby · Bash

**Frameworks** · Laravel · Ruby on Rails · React · Spring

**Tools** · MySQL · MongoDB · Docker · Elasticsearch · Redis · Git · Jira

## Work Experience

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### Chef's Plate/HelloFresh

Toronto, Ontario

BACKEND DEVELOPER

January 2019 – April 2019

- **Backend developer** on the Payments team also working on internal tooling and various projects within our core product with **PHP Laravel**, affecting millions of users.
- Optimized query response times by **more than 1500%** for internal tool client using **MongoDB index queries** and enabled dynamic filtering of query responses with **ElasticSearch**.
- Worked extensively on migrating backend infrastructure for payment processing from **Stripe** to **Adyen** which resulted in a **significant decrease** in company expenses.
- Redesigned the entire automated email infrastructure using **MailChimp API** and **Mandrill**. Created new email templates in collaboration with marketing stakeholders that greatly improved customer **CRM**.
- Added new FedEx shipping accounts and intelligently mapped them to shipping hubs already in place using **FedEx Web Services API**.
- Polished **Laravel Doctrine ODM** architecture which fixed bugs regarding soft-deletion of entities.
- Created unit tests and integration tests which boosted test coverage by **40%**.

### rBux Inc

Bracebridge, Ontario

FULL STACK DEVELOPER

May 2018 – August 2018

- Implemented key features in e-commerce apps for **Shopify** and **BigCommerce** plugins using various **RESTful APIs** that improved user satisfaction and product rating.
- Collaborated closely with the marketing team to improve the look and feel, overall design, and responsiveness of company landing pages using **Angular**.
- Led the development of new functionalities that allowed the categories of various online e-commerce stores to map intelligently to those of the rBux e-commerce store with **PHP** and the help of **word-finding query APIs**.

## Projects

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### Honour Roll Displayer

Mississauga, Ontario

JAVA APP

May 2018 - Current

- Solely created a modular, object-oriented client-side **Java** application for my local high school that displays information about students who are on the school honor roll, and others who received special awards.
- Fully Interactive GUI allowing to add, update, and delete data with **MySQL** using a **JDBC** connection.
- Uses **Maven** to deploy and manage dependencies.
- St Marcellinus S.S is **currently using the app** on monitors in the school hallways!

### InspiriBot

Waterloo, Ontario

TWITTER BOT

April 2019 - Current

- Created a **Twitter** bot using **Node.js** and **p5.js** that posts inspirational tweets every so often and sends custom replies to likes and comments.

## Education

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### University Of Waterloo

Waterloo, Ontario

BACHELORS OF COMPUTER SCIENCE

Sep. 2017 - Exp. April. 2022

- Recipient of President Scholarship for academic excellence.