

# Stefan Manoil

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF WATERLOO

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## Skills

**Languages** · Java · Kotlin · JS/Node.js · PHP · C/C++ · Python · Ruby

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

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

## Work Experience

### Veme.ly

Remote

ANDROID ENGINEER

October 2019 – November 2019

- **Android developer** (part-time) working extensively on the FAQs portion of the Veme.ly Android app. Created a responsive FAQs page with a list of scrollable and clickable items using **Kotlin**, **XML**, and **Dagger** for dependency management.
- Developed **XML** layouts relating to FAQs, the most prominent using **RecyclerView**, and the **Activities**, **Fragments**, **ViewModels**, **Adapters** for **layout-inflation** and **data-binding**.
- Implemented connection to **Firebase** back-end, retrieving and sending data to **Cloud Firestore**.

### Sandvine

Waterloo, Ontario

DEV-OPS ENGINEER

September 2019 – December 2019

- Worked on **Continuous Integration** infrastructure using **Jenkins**, **Groovy**, and **Python**.
- Created and maintained various **CI** pipelines with **Groovy**, dealing with the **pre-merge and branching git lifecycle architecture**.
- Leveraged **multi-git** functionalities along with **sparse-checkout** to create **Python** scripts that gracefully handle the presence, or lack thereof, of **YAML** files across multiple repositories.
- Created and maintained various test pipelines for the **CI** infrastructure, and modified the configurations of many newly-created **YAML** files.

### Chef's Plate/Hellofresh

Toronto, Ontario

BACK-END 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.
- Created unit tests and integration tests which boosted test coverage by **40%**.

## Projects

### Honour Roll Displayer

Mississauga, Ontario

JAVA APP

May 2018 - Current

- Created a **Java** application for my local high school that displays information about students who are on the school honor roll. Fully Interactive GUI allowing to add, update, and delete data with **MySQL** using a **JDBC** connection and **Maven** to inject/manage dependencies.

### Ms Manoil's Notes

Mississauga, Ontario

FULL-STACK WEBSITE

December 2019 - Current

- Created a full-stack website for my mother's high school computer science classes using a **Javascript/Bootstrap** front-end and a **Node.js/Express** back-end.

## Education

### University Of Waterloo

Waterloo, Ontario

BACHELORS OF COMPUTER SCIENCE

Sep. 2017 - Exp. April. 2021

- Recipient of President Scholarship for academic excellence.