STEFAN MANOIL

Computer Science Undergraduate

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WORK EXPERIENCE

Android Engineer @ Veme.ly (Part-time Remote)

📅 October 2019 – Current

- **Android developer** 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 managment.
- 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**.

Dev-Ops Engineer @ Sandvine

📅 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, reducing build times by **30 minutes**.
- Created and maintained various test pipelines for the **CI** infrastructure, and modified the configurations of many newly-created **YAML** files.

Back-End Developer @ Chef's Plate/Hellofresh

📅 January 2019 – April 2019

- **Backend developer** on the Payments team also working on internal tooling and various projects within the 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 services 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** wrapper which fixed bugs regarding soft-deletion of entities.
- Created unit tests and integration tests which boosted test coverage by **40%**.

Full-Stack Developer @ rBux Inc.

📅 May 2018 – August 2018

- Implemented key features in e-commerce apps for **Shopify** and **WordPress** plugins using **Ruby on Rails**, which 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 **React**.
- 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**.

SKILLS

Languages

Java   C++   Python   Kotlin
JS/Node.js   PHP   Ruby   Groovy

Frameworks

Laravel   Express   React
Ruby on Rails

Tools

MySQL   MongoDB   Elasticsearch
Redis   Docker   Git   Jenkins   Jira

PROJECTS

Honour Roll Displayer

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.
- St Marcellinus S.S is **currently using the app** on monitors in the school hallways!

Ms Manoil's Notes

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

Bachelor's Of Computer Science

📅 Sep. 2017 - Exp. April. 2022

- Data Structures/Algorithms (81%)
- Compilers (84%)
- Combinatorics/Optimization (75%)