

# Dheeraj Pille

4A COMPUTER SCIENCE STUDENT AT THE UNIVERSITY OF WATERLOO

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## Skills

<b>Languages</b>	Python, Java, C, C++, C#, HTML/CSS, JavaScript, Ruby, Go, PHP, SQL, Bash, XPath, XML
<b>Frameworks</b>	Flask, Django, Scrapy, Robot Framework, Selenium, Swagger, jQuery, Bootstrap, Node.js, React, AngularJS
<b>Database Systems</b>	MySQL, SQLite, PostgreSQL, MongoDB, MariaDB
<b>Cloud Platforms</b>	Amazon Web Services, Google Cloud Platform, Pivotal Cloud Foundry, IBM Bluemix, Heroku

## Experience

### TELUS Health

Toronto, ON

SOFTWARE DEVELOPMENT ENGINEER INTERN

May. 2020 - Aug. 2020

- Containerized the Data Warehouse Connector project for widespread use within company.
- Built Jenkins CI/CD pipelines with Bitbucket hooks for multiple projects.
- Deployed MongoDB Charts for EMR data visualization regarding different health statistics.
- Built internal CLI tooling allowing developers to deploy Docker stacks with Mirth and MongoDB instances on company servers.

### Ultimate Software

Toronto, ON

DEVOPS ENGINEER INTERN

Sep. 2019 - Dec. 2019

- Led the containerization project to convert company product applications into Docker containers, reducing resource cost by 50%.
- Designed and built internal tooling for developers to build development clusters locally through Docker.
- Optimized project build pipelines on TeamCity to use less resources and speed up build times by 20%.

### Tulip Retail

Toronto, ON

DEVOPS ENGINEER INTERN

Jan. 2019 - Apr. 2019

- Implemented a multitude of monitors and metrics within Datadog and AWS CloudWatch to monitor project infrastructure.
- Configured Cloudflare DNS to enable communication between devices in China and servers in North America.
- Containerized Ops-specific tooling for widespread use within company with ample documentation in runbooks.
- Ported all company projects for continuous delivery from Jenkins CI to GitLab CI.

### Grapevine6

Toronto, ON

SOFTWARE ENGINEER INTERN

May. 2018 - Aug. 2018

- Improved codebase efficiency and reduced database call times by 33%.
- Implemented key mobile and desktop features for high-profile clients.
- Added thorough Swagger integration tests to the codebase's backend API endpoints.
- Assisted in adding a multitude of news sources for content aggregation with company application.

### Espresso Capital

Toronto, ON

SOFTWARE DEVELOPER INTERN

Sep. 2017 - Dec. 2017

- Merged company's borrower portal's AngularJS frontend with its Django REST Framework backend.
- Reduced borrower portal's API call response time by 80%.
- Created numerous regression testing suites for borrower portal with Postman and Selenium.
- Integrated Sage One services to the borrower portal's second phase.
- Moved borrower portal's first phase to production environment.
- Ported the company's machine-learning risk model server from Flask to Django.

## Projects

### minipass

Bash

LEAD DEVELOPER

Apr. 2018 - Jul. 2018

- Created lightweight UNIX password management system.
- Implemented critical system management commands to edit and store passwords in hidden directory.
- Encrypted password data with GPG encryption.

## Education

### University of Waterloo

Waterloo, ON

CANDIDATE FOR HONOURS BACHELOR OF COMPUTER SCIENCE

Sep. 2016 - Present