

# Dervis Yasin Yalcin

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## Profile

I'm a Software Developer who is an ambitious, career-focused job seeker, eager to obtain a Software Development position to help launch a career while achieving company goals. I have experience in building responsive web applications and mobile applications using languages JavaScript, React, Java and Python while debugging and testing. Dedicated to constantly improving tools and infrastructure to maximize productivity of the business while demonstrating skills in both Front-End and Back-End development.

## Skills

- **Programming Languages:** Java, C++, JavaScript, CSS, HTML, C, Python, React, OOP, TypeScript, SQL
- **Design Patterns:** Structural Patterns, Creational Patterns, Behavioural Patterns
- **Testing:** Unit Testing, Test Driven Development, Software Development Lifecycle, Agile development methodologies, Requirements analysis and design phases
- **Platforms:** Docker

## Employment Experience

**Project Design Coordinator** – *Greenline Renovations Plus, Toronto* 10/2016-09/2021

- Developed a work order tracking app using Python and integrated with APIs such as Firebase Cloud Messaging API for real-time updates and notifications for workers with no delay on the app.
- Implemented a database for the app with MySQL to store personnel data and work orders that integrates with Firebase and updates in real-time. Admin panel was created for the office use and every time a change was made such as adding a new employee, sending an invoice, opening a job posting, will be saved in the database and the other employees will be notified.
- Managed servers of the company and updated personal data every time a change was made.

**Covid-19 API** – *Open Source Project, Toronto* 01/2021-04/2021

- Designed and implemented a robust database for the COVID-19 API, leveraging the Docker platform to seamlessly integrate the latest global data on Death, Recoveries, Confirmed Cases, and Time Series for different countries.
- Re-modeled the **covid\_api\_v1\_integrator.py** file and changed functions using the design pattern of Composite Method to make the code into tree structure and then work with these structures as if they were individual and make it look clean and understandable for the other contributors to edit in the future.
- Contributed to the open-source community by sharing the source code and technical knowledge and actively collaborating with other developers to implement COVID-19 API.

## Projects

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### **To-Do-Application – Self-Project, Toronto**

06/2023

- I used TypeScript and React programming languages to build a web app for tracking and displaying a list of to-do items. The useState hooks were used to create and access an array of list of to-do items and used a map function to iterate through the hook while assigning keys. Everytime a to-do item is selected, the program shows as Selected and creates a checkmark to show that it has been done.
- The counter has been added using the setCounter method to track how many items have been done and you can unselect an item to decrement the counter if you have not done so.
- Background color and the font types are styled using the CSS.

**Tech Summary:** TypeScript, React, CSS

### **Snake-Game – Self-Project, Toronto**

05/2020

- This Snake Game is developed with Java programming language and uses JLabel, Timer, ActionEvent, Graphics classes that are inherited in Snake.java class to run.
- This project contains 5 Java components listed as: Bait, Box, Direction, Game, and Window.
- Each class component contains specific algorithms for the Snake Game to run such as Direction.java class for directions for the snake to go, Bait.java class is for the bait that snake eats and regenerates a new bait at random place in the box.

**Tech Summary:** Java

## Volunteers/Activities

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### **Major League Hacking – Mentor, York University**

03/2019

- Managed and organized hacking tournament that took place in York University.
- Presented a hacking tournament opening about the global warming issue and gave tasks to participants to come up with a technology using cables, motherboards, and other materials.
- CO2 detector, Warmth tracker, Co2 to Clean Air converter (Theoretically) were built during this competition.
- Helped to solve difficult tasks by giving students(participants) advice on how to solve and come up with a solution for the given problem.

### **Hack Lassonde – Project Lead, York University**

01/2018

- Created a virtual server in Linux Environment for the Capture-the-Flag competition with the professors.
- Managed students to find the Flags using the vulnerabilities in that server.
- In order to find the flags, participants had to use some technical and hacking skills to locate the flags such as SQL injection, accessing ports, changing variables in folders and directories.

## Education and Professional Qualifications

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**Hons. BSc. Computer Science – York University**

04/2021