

VIJAY PATEL

☎ (416) 854-6867 | ✉ patelv60@mcmaster.ca | 🏠 vjpatel.ca | 🎧 VJ-P | in vijaypat

Experience

TD Canada Trust

SOFTWARE ENGINEER INTERN

Toronto, ON

Sept 2020 - Dec 2020

- Currently working as a developer on the enterprise payments team

Dream Payments

DEVOPS ENGINEER INTERN

Toronto, ON

May 2020 - Aug 2020

- Automated CI/CD process in order to increase the productivity of developers and refactored pipeline templates for reusability across different projects/environments
- Implemented AWS App Mesh and vertical autoscaling capabilities to EKS clusters to monitor network traffic and increase the availability of microservices
- Automated deployment and clean up of development environments to decrease operational costs
- Created dashboards and other monitoring tools to manage the performance of clusters
- Developed a deployment pipeline to deploy Cloudformation stacks for authentication service
- Technologies: Kubernetes, AWS (EC2, S3, App Mesh, CloudWatch, CloudFormation, EKS, CodePipeline)

TD Canada Trust

IT ANALYST INTERN

Toronto, ON

May 2019 - Aug 2019

- Developed scripts to automate cloud monitoring in order to decrease server downtime
- Designed and built a process to manage over 20 000 security risks related to inappropriate environment access
- Reviewed over 200 software updates to ensure that they met development standards before being put into production
- Technologies: Python, SaltStack, Rundeck, MSSQL, Excel

Projects

networkCLI

- Developed a command line tool to perform a port scan and detect which network ports are open and vulnerable to breaches
- Added functionality to query a given host's data such as the nameservers, CNAME, IP Addresses, and MX records
- Technologies: Go

Group Chat

- Built a distributed chat room application to allow users to communicate anonymously with everyone
- Managed data using Redux, side effects with Redux-saga, and client-server communication with WebSockets
- Technologies: React, Node, Redux, Redux-Saga, WebSockets

Skills

Languages Python, JavaScript, Java, Go, C, Bash, HTML/CSS, SQL, Assembly, MATLAB

Frameworks React.js, Node.js, Express.js, Flask, Bootstrap

Cloud Tools AWS, Linux, Git, Kubernetes, Docker, SaltStack

Education

B.Eng.Mgt, Computer Engineering and Management

Hamilton, ON

MCMASTER UNIVERSITY

April 2023

- Relevant Courses: Principles of Programming, Data Structures and Algorithms, Software Development
- Leadership Positions
 - VP Internal: McMaster Engineering and Management Society
 - Attendee Relations Executive: DeltaHacks