



VAIBHAV CHADHA

vc2310@gmail.com

+1 (647) 454-5182

 vc2310.github.io/Portfolio

 chadhavaibhav

 vc2310

Skills

- Excellent hands on experience with **Python, Java, Linux & Jenkins**
- Strong programming background in **HTML, CSS, JavaScript, C#, C, ReactJS, C++ & SQL**
- Developing skills on **Verilog, NodeJS & Go**

Tools & Frameworks

- OpenShift
- JFrog Artifactory
- Eclipse
- GitHub / GitLab
- MongoDB
- Autodesk Inventor
- Bootstrap
- UrbanCode Deploy
- IBM DB2

Coding Competitions

RBC Innovation

Hackathon (2019): Awarded most innovative solution for creating a demo for instalment credit card payment plan.

DeltaHacks V (2019):

Worked on NFC shopping system that relied on a central server.

DeltaHacks IV (2018):

Worked on a project to assist blind people navigate through a room leveraging amazon echo.

Microsoft Coding

Challenge (2018):

Individually tackled the given problems using Java and Python.

Education

Bachelor of Engineering (Year V)

Software Engineering (Co-op)

McMaster University, Hamilton, Canada

Expected Graduation 2021

Award: Deans' Honour List 2019

Relevant Courses: Databases, Algorithms, Digital Systems, Software Design, Signals, Concurrent Programming, Software Security and Web Development

Work Experience

Software Developer

June 2020 – August 2020

ArcGIS Enterprise, **ESRI**, California, USA

- Developed next gen Issue Tracking web application to manage all GitHub issues using HTML, JavaScript, NodeJS, Zenhub API and Git.
- Generated an issue report to be sent via emails using a NodeJS Server.
- Developed scripts to install ArcGIS runtime against Linux, suse & RHEL.
- Leveraged Jenkins and Python to develop automated self-testing portal.

Software Developer

January 2020 – April 2020

TD Securities, **TD Bank**, Toronto, Canada

- Developed Python script for monitoring ITRS tools in Ambari Environment.
- Wrote Python scripts to create an alerting system for Hadoop Disk Space.
- Added new features to a Springboot Application by using Java, HTML, JavaScript, Thymeleaf, Bootstrap and Mongo DB dataset.
- Managed Middleware & IT server list to ensure accuracy of all servers.

Software Developer

September 2019 – December 2019

Engineering Transformation, **Royal Bank of Canada**, Toronto, Canada

- Wrote Groovy/Bash scripts to migrate code from TFS to Git automatically.
- Containerized ReadyAPI(SoapUI Pro) tests in a Linux based environment.
- Deployed Docker images to OpenShift platform using JFROG Artifactory.
- Implemented Docker containers to create images of the applications and dynamically add it to the Jenkins CI/CD pipelines.

DevOps Engineer

May 2019 – September 2019

Smart-ATM (SATM) Lab, **Royal Bank of Canada**, Toronto, Canada

- Automated build and deployment process for SATM releases using PowerShell and vbs scripting, eliminating 95% of manual work.
- Reduced packaging and build time for ATM releases from ~2weeks to <1hr.
- Created a GUI using Python in order to ease the process of major and minor releases by generating a custom config file for each deployment.
- Performed the tasks in an agile environment using multiple tools such as UCD, Jenkins, Nexus, SCCM and GitHub.

Key Projects

Ayurherb Website | HTML, CSS, JavaScript

November 2019

- Developed a dynamic website for a real-life company called "Ayurherb".
- Demonstrated extensive documentation for the website's design.
- Used JQuery library to add functionality and improve interactions.

Snake Game | Python, Pygame

January 2019

- Developed a game as a desktop application using Pygame library.
- Increased the complexity of the game by adding features and themes to increase the user experience for the game playground.
- Prepared high level technical documentations to support development.

DriveSafe | Java

April 2018

- Designed and created a navigation interface using Java, giving the clients a chance to explore through the safest short route.
- Used quicksort algorithm on a dataset of 1.5 million rows containing longitude and longitude of past traffic violations.
- Integrated learnings of Software Development Life Cycle, UML diagrams and performed efficient testing using JUnit testing.