VAIBHAV CHADHA

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in chadhavaibhav

○ vc2310

Skills

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

Tools

- OpenShift
- JFrog Artifactory
- Eclipse
- GitHub / GitLab
- MongoDB
- Autodesk Inventor
- Bash
- 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 replied on a central server.

DeltaHacks IV (2018): Worked on a project to help 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 III)   *Expected Graduation 2021*
Software Engineering (Co-op)   **Award: Deans' Honour List 2019**
McMaster University, Hamilton, ON

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

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 bash scripts to install ArcGIS and runtime from a specific build.
- 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 correctness 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 $\sim 2_{weeks}$ to $<1_{hr}$.
- 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 and UML diagrams, performing efficient testing using JUnit testing.