



# VAIBHAV CHADHA

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 chadhavaibhav

 vc2310

## Skills

- Excellent hands on experience with **Python, Java, React.js, Groovy, JavaScript & REST API**
- Strong programming background in **HTML, CSS, C#, C, Linux, React Native, Junit, C++ & SQL**
- Developing skills on **Verilog, NodeJS & Go**

## Tools & Frameworks

- Jenkins
- Eclipse
- GitHub / GitLab
- MongoDB
- OpenShift
- JFrog Artifactory
- Jupyter
- TestRails
- Google Firebase
- Spring Boot
- Autodesk Inventor
- BootStrap
- UrbanCode Deploy
- IBM DB2

## Relevant Courses

- Data Structures
- Algorithms
- Database Management
- Software Design
- Web Development
- Concurrent Programming
- Software Security
- Digital Systems
- Software Requirements

## Education

**Bachelor of Engineering, Software Engineering (Co-op)**

2016 - 2021

McMaster University, Canada

## Work Experience

### Software Development Engineer II

June 2021 – Present

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

- Developed an internal web dashboard using HTML, JavaScript & Konva to display daily builds test results for senior management at the company.
- Own and manage Distributed Collaboration, Portal Site Import Export and Email Support functionality testing codebase(Java) for ArcGIS Enterprise.
- Own daily deployments and test-runs against Windows, Linux, Kubernetes
- Developed python scripts to automate Testrails parsing from 6hrs to <1hr.
- Developed and maintained 2 Jenkins servers with over 110 individual pipelines used by more than 40 developers on daily basis.
- Developed adhoc scripts to install / build and deploy ArcGIS runtime Against Windows, Ubuntu, SuSE, RHEL and Kubernetes.

### Software Development Engineering Intern

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.

### Software Developer Intern

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.

### Software Developer Intern

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.

### DevOps Engineer Intern

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.

## Recent Projects

### Task Manager | React

- Developed a dynamic website to manage multiple tasks at a time.
- Added additional functionality by adding option for multiple categories, subtasks, assigning priority and adding assigned/due dates to each task

### Snake Game | Python, Pygame

- 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.

### DriveSafe | Java

- 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.