Rizwan Khan

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Work Experience

Sunbird Software – Software Automation Engineer   *September 2019 – August 2020*

- Developed, maintained and optimized functional scripts, in-house testing tools and automated solutions for development team
- Deployed, containerized and created CI/CD using Jenkins to automate case production for various versions of product builds and data platform
- Developed new robust programming tasks, tests and scripts to execute automation functionality for newer build versions for the flagship product
- Maintained and ensured functionality of the product's data platform through continuous testing adhering strictly to automated testing using newly developed scripts and programs using Java, Python, Robot framework and various open source APIs for Jenkins integration
- Developed separate scripts using JavaScript and Python specifically for integrated testing tool to execute custom test cases on concurrency, load performance and virtually simulated user traffic for test performance issues on the flagship product
- Scripts developed in testing environment were executed and analyzed for service API setup for in-house servers and cloud
- Advanced scripting techniques using JavaScript and Python were used to analyze request and response times for the generated user load to gather performance data for Sunbird's product platform

TRC Companies Inc – Software Development Intern   *May 2018 – August 2018*

- Tasked with building a scalable solution for monitoring and processing data in system that helped company save time by 40 percent by tracking files and logging time
- Developed and updated process flows, test and product databases implemented for MS CRM Dynamics by using SQL queries to input required data in the system records
- Collaborated on development projects using JavaScript, Node.js, SQL and CRM

Education

Rutgers University, New Brunswick NJ

Master of Science - Computer Science   *September 2020 – May 2022*
     Concentration: Machine Learning

Bachelor of Science - Computer Science   *May 2019*
     Concentration: Software Engineering

Skills

Languages: Java, Python, JavaScript, C, HTML/CSS

Tools & Frameworks: AWS, EC2 instances & RDS ,Git, Jenkins, Node.js, Robot, Tensorflow, Keras, Pandas, scikit-learn, Spring Boot

Projects

Map Search - www.github.com/rizhkh/MapSearch/

- Map searching program that finds the most suitable and shortest route between two point
- Used: Java, Swing, Java libraries, Manhattan and Euclidean distance, Eclipse

Image Processing - www.github.com/rizhkh/Classifier

- Determine content of an image by utilizing Machine learning modules and self-implemented Classifying algorithm to help learn about data
- Used: Python, Scikit-learn, Tensorflow, Naïve Bayes, NumPy

Chess - www.github.com/rizhkh/Chess

- A functional game of Chess built on Android platform using graphical interface and artificial intelligence
- Used: JavaFX, XML, Android Studio and Gradle

<u>**Work Authorization:**</u> U.S Citizen / Permanent Residence card holder **(No sponsorship required)**