**Ajan Sharma**

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**WORK EXPERIENCE**

**Citi, Canada Dec 2021 – Present**

Application Analyst Mississauga, CAN

* Developing and deploying automated solutions for business.
* Build Python scripts for automation of tools and reports.
* Providing technical (Unix, MSSQL, DB2) assistance to development teams.
* Working as change coordinator for deployment of fixes and new advancements in application.
* Analyze, debug and advancing existing automated python scripts.
* Involved in implementation and advancement of Autosys jobs
* Implementing dashboards and analyzing the data through Microsoft PowerBi.

**Morgan Stanley Jun 2021 – Dec 2021**

Reliability Production Engineer/ DevOps Montreal, CAN

* Automation of toils, as well as development of quick CLI tools for efficient daily support.
* Writing the underlying scripts for Autosys jobs in Bash, and Python.
* Technical (Unix and Sybase) support/monitoring on the central database repository that stores fixed income commodities trades and positions data.
* Working on SQL queries/extracts, upon data requests from users including the Trading desk.
* Provide support on mission-critical Trading and Risk Application
* Implementation and maintenance of ‘Ready for Business’ checks.
* Gathering Intraday risk run requirement from commodities traders, for the management/ optimization of profit and loss runs via Autosys tooling.
* Creation of new Risk run definitions for trading desks.
* Incident/Problem management, assisting with outage resolution followed by RCA.

**Tech Mahindra May 2018 – Jul 2018**

Network Engineer Intern Bengaluru, IND

* Automated virtual network functions in openstack – an emerging open-source cloud platform.
* Improved automation with the usage of JUJU VNF Manager to reduce operation overhead.
* Tested against 4 distinct use cases such as terminating, scaling up and down instances.
* Debugged the implemented python and yaml script and corrected the bugs.
* Designed high level diagram for the ongoing project in the organization.
* Accomplished the project objective of automation within 3 months of internship.

**EDUCATION**

**Concordia University Sep 2019 - Apr 2021**

Master of Engineering; Major in Information System Security Montreal, QC

* Achieved 3.81 GPA out of 4.3.

**Amity University Jul 2015 - Jun 2019**

Bachelor of Technology; Major in Computer Science Engineering. Uttar Pradesh, IND

* Attained cumulative GPA of 9.03 out of 10.
* Achieved 50% scholarship for 4 consecutive years.

**SKILLS, LANGUAGES AND ACCOMPLISHMENTS**

* **Technical Skills**: React, NodeJS, JavaScript, NextJS, HTML, TailwindCSS, Python, Pandas**,** CoreJava, Git, Databases, RDBMS, MSSQL, DB2, Azure DevOps, Containers (Dockers), Autosys, Bash Scripting.
* **Security Skills:** Linux/ UNIX Commands, Nmap, Shell Scripting.
* **Industry Knowledge**: Change Management, Incident Management, Root Cause Analysis, Problem Management, Unit Testing, Software Development Lifecycle, Autosys, JIRA, Service Now, Agile Development, GitHub, Monitoring tools (PowerBi, SockEye, Splunk).
* **Certifications**: Azure Fundamentals **AZ-900**, Azure AZ-204 (InProgress) ,**PCAP-31-03** – Certified Associate in Python Programming, CompTIA **Network +**, **PCEP** – Entry level Python Programmer, Fortinet Network Security Associate NSE1 and NSE2.

**PROJECTS UNDERTAKEN**

1. **Portfolio Sep 2022 - Oct 2022**
   1. Build an responsive online resume/ website using tech stack – React, JavaScript, HTML and CSS.
2. AirBnB Clone **Nov 2022 - Dec 2022**
   1. Build an dynamic clone of AirBnB website using tech stack – React, JavaScript, NextJS and Tailwind CSS.
3. **Supervised Intrusion Detection System for Smart Home IoT devices Sep 2020 - Dec 2020**
   1. Build an Intrusion detection system for Smart home IoT devices using python, machine learning, weka. The system focuses on the identification of targeted devices, attacks performed and capable of classifying data as malicious or benign.
   2. Achieved the 98% accuracy with the Decision Tree Algorithm for types of attack performed and 97% accuracy for device detection and classification of device as benign and malicious.
4. **SSH implementation for device Configuration Jun 2020 - Aug 2020**
   1. Developed script in python to help network engineers to perform device configuration of multiple devices via ssh.
5. **A Learning Platform Nov 2019 - Mar 2019**
   1. Implemented an educational assessment platform using C#, .Net, MySQL by incorporating efficient method of assessment such as Rubrics.
   2. https://github.com/AjanSharma/Online-Exam-Assessment.git
6. **Virtual Network Functions (VNF) automation in Openstack May 2018 - Jul 2018**
   1. Automated virtual network functions using JUJU VNF Manager, Python, Yaml scripts.
7. **No Fickrr – Android Application May 2017 - Jul 2017**
   1. Developed an android application for security of women with distinct features such as tracking on request, automatic calling to saved contacts, sending live location in set intervals.
   2. https://github.com/AjanSharma/AndroidApplication.git

**LINKS**

1. https://www.linkedin.com/in/ajan-sharma-13b200115/