**Ajan Sharma**

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**WORK EXPERIENCE**

**Citi, Canada Dec 2021 – Present**

Application Analyst Mississauga, CAN

* Building and developing secure, scalable, and high-performance applications in C# and .NET core.
* Designing and building frontend in JavaScript and React.
* Involved in development of Microservices and Web API for trading services such as providing trading data to clients and integrating trading tools with other application related to fixed income.
* Build Python scripts for automation of tools and reports.
* Working as change coordinator for deployment of fixes and new advancements in application.
* Developing and integrating database systems to ensure the efficient transfer of data between different systems.
* Analyze, debug, and resolve application issues.
* Involved in implementation and advancement of Autosys jobs.
* Experience in implementing and administering monitoring tools Splunk and PowerBi
* Experience in using bug tracking tool JIRA.
* Using GIT for creating local Repo, Cloning the Repo, adding, committing, and pushing the changes. Analyzing and resolving conflicts related to merging of source code.
* Provide mentorship, guidance and leadership to the team and other team members.
* Participating in code reviews to ensure the code meets quality and performance standards
* Part of Automation Workgroup with Citi and leads automation projects required for distinct teams.

**Morgan Stanley Jun 2021 – Dec 2021**

DevOps Engineer Montreal, CAN

* Designing, implementing, and maintaining the DevOps processes and systems used by the organization to develop, test, deploy, and manage software applications and services.
* Automating the build, deployment, and testing processes for software applications and services using Azure DevOps, including Azure Pipelines
* Writing the underlying scripts for Autosys jobs in Bash, and Python.
* Working on SQL queries/extracts related to the Trading desk.
* Provide L3 support on mission-critical Trading and Risk Application
* Continuously improve data quality and data governance by adding more quality control checkpoints to Azure DevOps pipeline with YAML scripts.
* Experienced with Docker container service.
* Build pipelines in Azure DevOps to enable CI/CD for both pre-production and production environments, which significantly reduced deployment time and effort.
* Experienced in Branching, Merging, and maintaining the version across the environments using SCM tools like Git.
* Incident/Problem management, assisting with outage resolution followed by RCA.

**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 AND ACCOMPLISHMENTS**

* **Programming Language:** JavaScript, Python, .NET core, C#, .Net core Microservices, Web API, React, NextJS, Html5, TailwindCSS.
* **Cloud System:** Azure DevOps, CI/CD pipelines, Azure Containers, Azure Virtual Machine, App Service, Azure Data Factory.
* **Database Systems:** MSSQL, DB2, CosmosDB
* **Networking:** Linux, TCP/IP, Network concepts, Windows Internet Information Services (IIS)
* **Scheduler Tools:** ITRS Geneos, AutoSys
* **Data Analysis Tools:** Splunk, PowerBI
* **Industry Knowledge**: Change Management, Incident Management, Root Cause Analysis, Problem Management, Unit Testing, Software Development Lifecycle, Agile Methodologies, JIRA, Service Now, GitHub, GitLab.
* **Certifications**: Azure Fundamentals AZ-900, Azure AZ-204 (InProgress) ,PCAP-31-03 – Certified Associate in Python Programming, CompTIA Network +, PCEP – Entry level Python Programmer.

**KEY PROJECTS UNDERTAKEN**

1. **Refactor Trading Application – Citi July 2022 - Present**
   1. Utilized JavaScript, React, C#, .NET core to develop new features for the money market trading application to manage the portfolio of clients by leveraging Azure services such as Azure SQL Database and Azure App service to ensure high availability, scalability, and security of the application.
   2. Designed and developed the portfolio-specific test feature, providing users with the capability to generate custom groupings and tests to analyze portfolio data.
2. **Portfolio – Personal Project Sep 2022 - Oct 2022**
   1. Build an responsive online resume/ website using tech stack – React, JavaScript, HTML and CSS.
3. **Airbnb Clone – Personal Project**  **Jul 2022 - Aug 2022**
   1. Build an dynamic clone of AirBnB website using tech stack – React, JavaScript, NextJS and Tailwind CSS.
4. **SSH implementation for device Configuration – Citi Jan 2022 - Mar 2022**
   1. Developed script in python as a part of Citi Workgroup to perform device configuration of multiple devices via ssh.
5. **Virtual Network Functions (VNF) automation in Openstack – Morgan Stanley June 2021 – Nov 2021**
   1. Automated virtual network functions in openstack – an emerging open-source cloud platform.
   2. Improved automation with the usage of JUJU VNF Manager, Python and YAML to reduce operation overhead.
   3. Tested against 4 distinct use cases such as terminating, scaling up and down instances.
   4. Designed high level diagram for the ongoing project in the organization.
   5. Requirement to shift Azure Cloud to OpenStack for subset of projects.
6. **Supervised Intrusion Detection System for Smart Home IoT devices Sep 2020 - Dec 2020**
   1. Build an Intrusion detection system 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.

**LINKS**

1. https://www.linkedin.com/in/ajan-sharma-13b200115/
2. https://ajansharma.github.io/