SRISHTI JAIN

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Education

Master of Applied Computer Science	**Dalhousie University**	GPA – 4.13	**Sept 2022 - Dec 2023**
Bachelor of Engineering in Computer Science	**Acharya Institutes**	GPA – 3.70	**June 2014 - June 2018**

Work Experience

Technical Development Consultant, CGI, Halifax   **Sept 2023 - Current**

- Implementing CI/CD using Jenkins for automated start and shut down of production servers.
- Developing script in Ansible for patch upgrades and configuration for 20+ servers and to be automated using Jenkins.
- Structuring and performing Linux system administration tasks.

Graduate Teaching Assistant & Marker, Dalhousie University, Halifax   **Sept 2022 - Current**

- Collaborated with professors to design and develop lecture contents for 100+ students.
- Coordinated with professors; prepared training materials to conduct labs, leading to 20% improvement in student grades.

DevOps Engineer, NTT Ltd., India   **May 2019 - Aug 2022**

- Executed workflows to automate, synchronize, and execute ansible AWX in parallel, leveraging Apache Airflow deployed on an Azure Kubernetes Cluster (AKS) for Sun Corp.
- Implemented CI/CD pipeline using Azure DevOps and **Azure functions written in python** to monitor health of network devices for HDFC Bank and Manulife's network infrastructure.
- Automated ServiceNow workflows to cut down manual efforts of logging and monitoring network devices for HDFC.
- Provided leadership for project management initiative with a team of 4 for initial release of project "Unified Telemetry Aggregator" and achieving a **30% reduction** in development costs.
- Designed ETL pipelines using **Azure Data Factory** to optimize process of locating configurations, golden images of switches and routers, resulting in a 30% improvement in efficiency.
- Managed Jira tickets as a **Scrum Master**, actively collaborating in implementation of Agile methodology and best practices.
- Conducted research on various **Software Defined Networking** technologies and successfully conducted proof-of-concepts (POC's) for the Innovation team at NTT Ltd.'s R&D branch.

Skills

Cloud	Azure DevOps, Azure Data factory, Azure Functions, AKS, AWS services
Programming	Java, Python, C/C++, HTML/CSS, JavaScript, NodeJS
Backend & Frontend Infra	Spring Boot, Flask, REST, HTTPS/HTTP web APIs development, React & Material UI
Databases	MySQL, MongoDB, Influx DB
Other technologies	GitLab, GitHub, Confluence, Jira, Apache Airflow, Apache NiFi, Ansible, docker

Selected Projects

Serverless Collaborative Trivia Challenge Game, AWS & GCP   **May 2022 - Current**

- Implemented **multi cloud architecture** for gaming platform enabling users to create teams, engage in competitive gameplay, and track progress on leaderboards.
- Notification and alerts to be generated using AWS - SQS & SNS services.

Tax Calculation System, AWS   **Jan 2023 - Apr 2023**

- Created a website that uses Event Bridge, SNS, S3 and API gateway to calculate the tax of different provinces in Canada.
- Leveraged the use of Elastic Beanstalk to host my application. The entire provisioning of the infrastructure was done using **cloud formation**.

Ecommerce Website, Java, Spring Boot   **Sept 2022 - Dec 2022**

- Developed an e-commerce web application hub that acts a centralized hub for purchasing various electronics products.
- Designed using **TDD, SOLID principles and design patterns** resulted in 95% code and test cases coverage.
- Used MySQL database and built stored procedures for decreasing query time and improving data layer isolations.

Certifications

- Successfully acquired **Azure Fundamentals certification**.
- Obtained **Cisco Certified Network Associate** & **Cisco Certified DevNet Associate** certifications during training at NTT Ltd.