

Karamjit Brar

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Education

Bachelor of Science, Computer Science

York University

Toronto, ON

- **Cumulative GPA:** 3.8/4
- **Coursework:** Object-Oriented Programming (OOP), Data Structures, Operating Systems, Database Systems

Work Experience

System Engineer

Dec. 2023 – Present

Questrade

Toronto, ON

- Engineered **Jenkins** pipelines to deploy VMs on **vSphere** and **GCP**, utilizing **Terraform** for infrastructure provisioning and management
- Automated AWS workspaces creation process, leveraging Jira-triggered workflows with **API Gateway** and **AWS Lambda**, standardizing deployment and adding necessary tags for cost tracking.
- Leverage Salt and **Docker compose** to deploy Jenkins master and Nginx in Docker **containers**
- Deployed Cloud Custodian policies using **AWS Lambda** to automate the remediation of non-compliant or unused cloud resources, leveraging **SQS** and **SES** to notify resource owners.

Infrastructure & Cloud Operations Intern

May 2023 – Dec. 2023

Questrade

Toronto, ON

- Developed Chocolatey packages for a wide range of software applications, such as **Microsoft SQL**, enabling rapid and standardized software installations.
- Wrote a **Bash** and **Python** based **Gitlab pipeline** to sync information from palo alto prisma to **Device42**.
- Replaced hardcoded passwords with environment variables across Jenkins, **Terraform**, and **Packer** codebases.
- Improved infrastructure reliability by creating Jenkins pipeline to fix unhealthy Salt minions.

DevOps Engineer Intern

Sep. 2022 – Apr. 2023

CGI Inc.

Markham, ON

- Spearheaded the migration of **Jira** from cloud to Data Center instance with zero downtime and no loss of data.
- Demonstrated adaptability and communication skills by engaging with diverse technical and non-technical teams.
- Contributed to client cost tracking initiatives by collecting and validating database and VM usage metrics.

Projects and Certifications

Inventory Tool | Django application, for inventory management

AWS Certified Developer Associate | Skills in developing and deploying applications on AWS

Sept. 2024

AWS Certified Cloud Practitioner | Foundational AWS cloud knowledge

Dec. 2022

Technical Skills

Languages: Python, Java, Groovy, SQL, JavaScript, Bash, Powershell

Tools: Jenkins, Docker, Terraform, Kubernetes, Jira, Saltstack, Chocolatey

Platforms: AWS, GCP, vSphere, Linux (RHEL9)