# Karamjit Brar

DevOps Engineer — Cloud & Automation Specialist

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## Technical Skills

**Cloud & DevOps:** AWS, GCP, Kubernetes, Terraform, Jenkins, Docker, Ansible, SaltStack, Prometheus, Splunk
**Programming & Scripting:** Python, Java, Groovy, Bash, SQL, PowerShell
**CI/CD & Automation:** GitLab CI/CD, GitOps, Infrastructure as Code (IaC), Serverless Architectures, Monitoring & Observability
**Operating Systems:** RHEL9, Ubuntu, Windows Server

## Certifications

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|---|---:|
| **Certified Kubernetes Administrator (CKA)** | July 2025 |
| **AWS Certified Solutions Architect – Associate** | Jan 2025 |
| **AWS Certified Developer – Associate** | Sep 2024 |

## Work Experience

**System Engineer**                                                     Dec. 2023 – Present
*Questrade*, Toronto, ON

- Engineered Jenkins pipelines for VM deployment on vSphere and GCP using Terraform, reducing **deployment time by 90%**.
- Automated AWS Workspaces creation by implementing **serverless architecture**, utilizing API Gateway and AWS Lambda functions, triggered through Jira web request.
- Implemented cost tracking & optimization strategies utilizing Tags and Cloud Custodian, **saving $12000 per month**.
- Led enterprise-wide SaltStack Highstate rollout for 500+ RHEL servers; built **Splunk** log ingestion, ran KT sessions, and made salt states idempotent.
- Conducted cross-cloud network performance tests using **Flent/Netperf** across GCP, Azure and on-prem via Equinix FCR.
- Deployed reverse proxy for **Algosec** in a restricted VLAN; managed SSL certificates and Entra ID SSO reply URLs to maintain compliance and availability.

**Infrastructure Engineer Intern**                                       May 2023 – Dec. 2023
*Questrade*, Toronto, ON

- Built **Bash/Python** GitLab pipeline to sync Palo Alto Prisma data with Device42, improving asset accuracy.
- Build Gitlab pipeline to run automated tests when Salt states are pushed to repo.
- Enhanced security by replacing hard coded credentials with environment variables across **Terraform and Packer** codebases.
- Automated Salt agent recovery processes via Jenkins, resolving configuration failures within 15 minutes using SSH/WinRM.
- Packaged and distributed applications via Chocolatey and internal **Jfrog Artifactory** enabling standardized installations across **200+ Windows servers**.

**DevOps Engineer Intern**                                               Sep. 2022 – Apr. 2023
*CGI Inc.*, Markham, ON

- Led migration of an outdated Jira Data Center instance to a newer supported version; established staging environment with temporary licensing, performed iterative test runs, and developed a detailed step-by-step migration plan (including timing and prerequisites) to ensure a seamless transition into the production environment.
- Automated issue synchronization between Jira projects using **Groovy** and scriptRunner, eliminating manual effort.
- Managed both new and existing Jira projects, leading the transition from Excel to Jira to drive organization-wide adoption.

## Education

**Bachelor of Science, Computer Science** — GPA: 3.8/4.0
York University, Toronto, ON