Harsh Kapoor

Thorold, ON | 647-540-0959
Email | LinkedIn | GitHub | Portfolio

Summary

DevOps and cloud infrastructure engineer with 3+ years delivering enterprise-scale **cloud automation** across **AWS**, **Azure**, and **GCP**. Hands-on with **Terraform/Ansible IaC**, **CI/CD** (Jenkins/GitHub), **Docker/Kubernetes** (preparing for **CKAD**), and **Python/Bash/PowerShell** scripting. Deploys and modernizes cloud infrastructure for government and commercial clients; 24/7/365 on-call. IEEE-published on cloud native **AI infrastructure**. Strong **stakeholder communication** and client-facing delivery for consulting engagements.

Technical Skills

Cloud Platforms: **AWS** (EC2, S3, APIs, microservices, bare-metal), **Azure** (AKS, Azure DevOps, Azure Pipelines), **GCP**, **OpenStack**, multi-cloud architecture, **cloud migration**, **infrastructure modernization**
IaC & Automation: **Terraform** (modules, state, **provisioning**), **Ansible** (playbooks, roles, config management), **Python**, **Bash**, **PowerShell**, automated provisioning, **Infrastructure as Code (IaC)**
Containers & Platform Engineering: **Docker**, **Kubernetes** (preparing for CKAD), **Helm**, OpenShift (familiar), container orchestration, **microservice architecture**, **platform engineering**
CI/CD & DevOps: **Jenkins**, **GitHub Actions**, **Azure DevOps**/Pipelines, end-to-end **CI/CD**, **GitOps**, **DevSecOps** practices, **pipeline automation**
Observability & AI: OTEL, Grafana, Splunk, PagerDuty, Prometheus, GitHub Copilot, Cursor, generative AI tooling, machine learning platform support, cloud native AI infrastructure (IEEE)
Client Delivery: cloud migration, stakeholder communication, consulting, Agile/Scrum, enterprise security collaboration

Experience

DevOps Engineer Oct 2024 – Present
Concentrix (via Wintab Tech Solutions Inc.) *Toronto, ON*

- Delivered **cloud infrastructure automation** for enterprise **client** environments: highly available **AWS** microservice platforms, **Terraform/Ansible IaC** provisioning, and **OpenStack** deployments on bare metal.
- Built **Python/Bash** automation for AWS APIs and Linux administration; owned **CI/CD** pipelines (Jenkins/GitHub); 24/7/365 on-call operations.
- Configured OTEL, Grafana, Splunk, and PagerDuty observability; tuned Linux kernel performance; briefed architects and technical **stakeholders**.

DevOps Analyst & Software Engineer Mar 2022 – Sep 2024
Ontario Ministry of Transportation *Toronto, ON*

- Led **cloud modernization** and **cloud migration** for Ontario government infrastructure: **AWS** microservices and **OpenStack** on bare-metal servers handling provincial-scale datasets.
- Maintained **Terraform/Ansible IaC** for environment provisioning; wrote **Python/Bash** automation; delivered Jenkins/GitHub **CI/CD** pipelines.
- Integrated OTEL, Grafana, Splunk, and PagerDuty for 24/7/365 health; worked with security, architecture, and operations **stakeholders**.

Projects

Cloud-Native AI Infrastructure Monitoring (IEEE Publication) | *Kubernetes, OTEL, Prometheus, Grafana, Python* 2025

- Deployed cloud native **AI infrastructure** on **Kubernetes** with OTEL, Prometheus, and Grafana; IEEE paper showed 60% better anomaly detection for **platform engineering** workloads.

Enterprise CVE Patch Automation | *Python, Bash, PowerShell, Linux, CI/CD pipeline* 2025

- Cross-OS tool that maps CVE advisories to the packages to upgrade on Linux, macOS and Windows, defers patching while users are active unless inside a maintenance window, and writes a JSON + Markdown audit report for incident records.

Certifications

DevOps Foundations | *LinkedIn Learning / CompTIA CEU* Jul 2026

CKAD Cert Prep (preparing for the CKAD exam) | *LinkedIn Learning* Jul 2026

Publications

H. Kapoor, G. H. S. de Carvalho, "Performance Monitoring of Cloud-Native 5G Core Network," *IEEE Conference Proceedings*, Brock University, 2025.

Education

Brock University St. Catharines, ON
Bachelor of Science (Honours), Computer Science (GPA: 3.7/4.0) *Graduated: Jan 2024*