UMMA HAFSA HIMI

DevOps Practitioner | Operational Engineer | Technical Project Manager

Burnaby, BC, Canada

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Projects: 🔗 https://gitlab.com/my-capstone-projects-devops

PROFESSIONAL SUMMARY (Tailored to Job Description)

- DevOps Engineer with 5 years of operational engineering experience supporting high-traffic Linux environments, CI/CD pipelines, multi-team infrastructure, and cloud-native automation.
- Proven ability to collaborate with developers, troubleshoot complex multi-stack issues, and improve reliability across production and development systems.
- Strong hands-on expertise in AWS, Kubernetes, Terraform, Ansible, Jenkins, and Python automation.
- Experienced in monitoring, scaling, and optimizing distributed systems across datacenters. Adept at documentation, cross-team communication, and driving infrastructure efficiency.
- Canadian Citizen.

CORE SKILLS

- **Cloud & Infrastructure:** AWS (EC2, EKS, VPC, IAM, ECR, S3), Linux systems, VMs, load balancers, web servers
- **Kubernetes:** Deployments, Services, Ingress, PV/PVC, RBAC, Network Policies, Helm/Helmfile, EKS operations
- **CI/CD & Automation:** Jenkins (pipeline-as-code), Git/GitLab, Nexus, Python (Boto3), Bash, automated testing & scanning
- **IaC & Config:** Terraform, Ansible, Helmfile, GitOps workflows
- **Monitoring & Reliability:** Prometheus, Grafana, alert tuning, proactive issue detection
- **Networking:** DNS, HTTPS, certificates, routing, WAF concepts
- **Databases & Caches:** Experience supporting production DB workflows and storage systems
- **Build & Languages:** Maven, Gradle, npm; Python, Java, C, Groovy
- **Other:** Agile PM, documentation, cross-team collaboration, SRE practices

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CERTIFICATIONS & PROJECTS

DevOps Bootcamp by Tech-world with Nana | July 2025 – January 2026
 Intensive hands-on training in cloud infrastructure and modern DevOps practices

Verification Link:
https://www.credly.com/badges/f3352b1d-6d00-47a2-b403-53034ff8d5ef/public_url

My Production-Grade DevOps automation projects:

Link: 🔗 https://gitlab.com/my-capstone-projects-devops

- Provisioned AWS infrastructure using Terraform (VPC, EC2, EKS, ECR, S3, IAM)
- Deployed containerized microservices on Kubernetes (EKS) with Helm chart automation.
- Built Jenkins CI/CD pipeline with automated testing, Docker builds, security scanning, Git version control, and webhook integration.
- Python Automation using Boto Library: EC2 server status check, EKS status check, backup and restore volume, website monitoring, send email notification in case of failure.
- Ansible integration in Terraform and CI/CD pipeline.
- Implemented a comprehensive monitoring solution using Prometheus
- Applied infrastructure-as-code best practices with Git version control and automated validation.

PROFESSIONAL EXPERIENCE

Operational Engineer / InSAR Specialist

3vGeomatics Vancouver, BC 2018 – 2023

Infrastructure & Reliability

- Managed 24/7 Linux production systems powering high-traffic geospatial data pipelines (99.5% uptime).
- Supported multiple engineering teams by troubleshooting complex multi-stack issues across environments.
- Improved system scalability and performance, achieving **50% faster computation** through workflow optimization.

- Built and maintained Jenkins CI/CD pipelines, reducing release cycles by **60%** and improving deployment reliability.
- Automated operational tasks with Python (Boto3), eliminating **40+ hours/month** of manual work.
- Partnered with developers to debug intricate issues across multiple stacks and environments.
- Documented workflows, infrastructure processes, and performance metrics for internal teams.
- Trained and mentored 5+ engineers on DevOps tools, automation, and best practices.

Graduate Research Assistant | Data Analyst

C-CORE | St. John's, NL | *September 2016 – August 2018*

- Processed large-scale SAR datasets using Linux HPC clusters and Python scripting for statistical analysis
- Published peer-reviewed research in IEEE Transactions on Geoscience and Remote Sensing

Lecturer, Electrical & Electronics Engineering

Rangpur Engineering College | Rangpur, Bangladesh | *February 2016 – August 2016*

EDUCATION

M.Sc., Electrical Engineering (Remote Sensing) — Memorial University of Newfoundland
 B.Sc., Electrical & Electronics Engineering — RUET, Bangladesh