UMMA HAFSA HIMI

DevOps Engineer | Project Manager
✉ Umma Hafsa Himi | 📱 (236) 777-4457 | 🔗 [LinkedIn](#)
💻 [GitHub Portfolio](#) | 💻 [GitLab Projects](#)
📍 Burnaby, BC | 🇨🇦 Canadian Citizen

PROFESSIONAL SUMMARY

- 5 years of DevOps operations experience managing **Linux systems, CI/CD pipelines (Jenkins), Git workflows, Nexus artifact management, and Python automation** for a high-tech data processing company.
- Master's and Bachelor's in Electrical Engineering.
- Trained in designing cloud-native solutions on AZURE, AWS, orchestrating Kubernetes deployments, and automating CI/CD pipelines.
- Strong foundation in infrastructure-as-code, monitoring, and SRE practices with hands-on AWS, Kubernetes, Terraform, Jenkins, and Python automation experience.
- **Agile Project Manager** in fast-paced environments. Navigated complex technical dependencies and stakeholder requirements to close time-sensitive projects on schedule at 3vGeomatics

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PROFESSIONAL EXPERIENCE

Operational Engineer / InSAR Specialist

3vGeomatics | Vancouver, BC | 2018 – 2023

Infrastructure & Reliability Leadership

- Managed 24/7 Linux production environments powering high-traffic geospatial data pipelines, maintaining **99.5% uptime** across distributed systems supporting multiple engineering teams
- Engineered workflow optimizations that achieved **50% performance improvement** in computation speed, directly impacting data processing capacity and customer delivery timelines
- Served as a technical bridge between operations and development, troubleshooting complex multi-stack issues across production, staging, and development environments

CI/CD & Automation

- Built and maintained Jenkins CI/CD pipelines implementing pipeline-as-code practices, **reducing release cycles by 60%** and significantly improving deployment reliability
- Automated critical operational tasks using Python (Boto3), **eliminating 40+ hours/month** of manual work, including server health checks, backup/restore operations, and monitoring workflows
- Integrated automated testing and security scanning into deployment pipelines, catching issuesin pre-production

Collaboration & Knowledge Sharing

- Partnered closely with software developers to debug intricate issues spanning multiple technology stacks and environments, facilitating faster resolution times
- Created comprehensive documentation for infrastructure processes, workflows, and performance metrics, improving team knowledge transfer
- Trained and mentored **5+ engineers** on DevOps tools, automation best practices, and infrastructure management

Graduate Research Assistant | Data Analyst

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

- Processed large-scale SAR datasets and Python scripting for advanced statistical analysis
- Published peer-reviewed research in **IEEE Transactions on Geoscience and Remote Sensing**, demonstrating technical writing and research capabilities
- Developed automated data processing workflows that improved research efficiency

Lecturer, Electrical & Electronics Engineering

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

- Taught undergraduate engineering courses, developing strong presentation and knowledge transfer skills
- Created technical curriculum and learning materials for complex engineering concepts

CERTIFICATIONS & CAPSTONE PROJECTS

DevOps Bootcamp by TechWorld with Nana | July 2025 – January 2026

Intensive 6 months of hands-on training in cloud infrastructure and modern DevOps practices
🏆 **Verification Link**

Production-Grade DevOps Portfolio | View on GitLab

Infrastructure-as-Code & Cloud Architecture

- Provisioned complete AWS infrastructure using Terraform (VPC, EC2, EKS, ECR, S3, IAM) with modular, reusable code following best practices
- Designed and implemented network architecture with proper security groups, routing, and subnet isolation

Kubernetes & Container Orchestration

- Deployed containerized microservices on EKS with Helm chart automation for repeatable, version-controlled deployments
- Configured Kubernetes resources, including deployments, services, ingress controllers, and persistent volumes

CI/CD Pipeline Engineering

- Built end-to-end Jenkins pipeline with automated testing, Docker builds, security scanning, Git version control, and webhook-triggered deployments
- Integrated Ansible for configuration management within Terraform and CI/CD workflows

Monitoring & Python Automation

- Implemented a comprehensive monitoring solution using Prometheus and Grafana for metrics visualization
- Developed Python automation scripts using Boto3 library for EC2/EKS health checks, volume backup/restore, website monitoring, and email alerting on failures

EDUCATION

M.Sc., Electrical Engineering (Remote Sensing)
 Memorial University of Newfoundland | St. John's, NL

B.Sc., Electrical & Electronics Engineering
Rajshahi University of Engineering & Technology (RUET) | Rangpur, Bangladesh

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TECHNICAL EXPERTISE

Cloud & Infrastructure: AZURE (VM, Blob Storage, AKS, AZURE AD, ACR, Azure Active Directory, Networking), AWS (EC2, EKS, VPC, IAM, ECR, S3) • Linux Systems Administration • Virtual Machines • Load Balancers • Web Servers

Container Orchestration: Kubernetes (Deployments, Services, Ingress, PV/PVC, RBAC, Network Policies) • Helm/Helmfile • EKS Operations • Docker

CI/CD & Automation: Jenkins (Pipeline-as-Code) • Git/GitLab • Python (Boto3) • Bash Scripting • Automated Testing & Security Scanning • Nexus

Infrastructure as Code: Terraform • Ansible • Helmfile • GitOps Workflows

Monitoring & Observability: Prometheus • Grafana • Alert Tuning • Proactive Issue Detection • SRE Practices

Networking: DNS • HTTPS/TLS Certificates • Routing • WAF • VPC Design

Build Tools & Languages: Maven • Gradle • npm • Python • Java • C • Groovy

Additional: Agile Project Management • Technical Documentation • Cross-Team Collaboration • Database Operations

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KEY ACHIEVEMENTS SNAPSHOT
✅ Completed **5+** production-grade real-world DevOps Projects.
✅ **60% reduction** in release cycle time through CI/CD automation
✅ Trained **3 engineers** on DevOps practices
✅ Published research in **IEEE Transactions**
✅ Successfully managed **4 Agile Projects**