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LinkedIn | Portfolio | GitHub

Profile Summary

Certified and impact-driven DevOps & Cloud Engineer with experience designing and scaling **secure, automated infrastructure** across **AWS, Azure, and GCP**. Known for unifying **cloud engineering, DevSecOps, and MLOps** to deliver **scalable, cost-efficient, and resilient platforms** that power **mission-critical workloads**. Trusted by global teams to **lead CI/CD modernization**, **improve system reliability**, and **drive cloud cost optimization**. Proven track record in **cross-functional collaboration**, **infrastructure automation**, and maintaining **99.9%+ uptime**. Focused on building **secure, scalable, and future-ready cloud-native systems**.

Key Achievements

- Reduced deployment time by **50%** by designing fully automated **CI/CD pipelines** using **Jenkins** and **GitHub Actions**
- Cut manual infrastructure provisioning by **70%** through **Terraform automation** across multi-account **AWS environments**
- Achieved **99.9%+ uptime** by architecting **resilient, self-healing Kubernetes (EKS) clusters** with integrated **autoscaling** and **observability**
- Developed a **GDPR-compliant DevSecOps pipeline** integrating **Trivy** and **SonarQube**; project attracted **6500+ views on LinkedIn**, highlighting industry recognition
- Reduced **cloud infrastructure cost by 30%** through **rightsizing**, **reserved instances**, and **optimized resource scheduling**
- Fine-tuned and deployed **LLM-based tools** using **Hugging Face** and **Gradio**, demonstrating real-world deployment of **AI-integrated DevOps workflows**
- Initiated and authored **internal DevOps best practices playbook** adopted by **3+ engineering teams**, standardizing release workflows and reducing onboarding time
- Enabled **20% faster go-to-market** for cloud applications by aligning **CI/CD with agile sprint releases** across development and QA teams
- Collaborated with **SRE, Security, and ML teams** to define and enforce **IaC, RBAC**, and **GitOps standards** across hybrid cloud environments

Technical Skills

- **Cloud Platforms:** AWS (primary), Azure, GCP
- **Infrastructure as Code:** Terraform, Ansible, AWS CDK, CloudFormation
- **CI/CD & GitOps:** Jenkins, GitHub Actions, Argo CD
- **Containers & Orchestration:** Docker, Kubernetes (EKS & AKS)
- **Monitoring & Observability:** Prometheus, Grafana, Datadog

- **Security & Compliance:** IAM, RBAC, Trivy, SonarQube, GDPR
- **Languages & Scripting:** Python, Bash, Shell scripting
- **AI/MLOps:** Hugging Face, Gradio, TensorFlow, Keras, T5, LoRA, PEFT
- **Other Tools:** Git, GitHub, IoT Integration, FSx for ONTAP, Lambda

Professional Experience

DevOps & Cloud Engineer
Avaya, Galway, Ireland
Jan 2023 – Aug 2024

- Led the design and implementation of robust CI/CD pipelines using **Jenkins**, **GitHub Actions**, and **Argo CD**, reducing deployment time by **50%**
- Architected automated infrastructure provisioning using **Terraform** across AWS environments, cutting manual setup effort by **70%**
- Managed and optimized **EKS Kubernetes clusters** ensuring **99.9%+** uptime, with autoscaling and monitoring via **Prometheus** and **Grafana**
- Developed custom monitoring and diagnostic tools using **Python** and **Bash**, reducing mean time to resolution (MTTR) and improving operational efficiency
- Spearheaded configuration management with **Ansible**, ensuring consistent deployments across staging and production
- Collaborated cross-functionally with SRE, QA, and development teams to improve incident response workflows by **40%**
- Contributed to internal documentation and knowledge sharing sessions on CI/CD practices and DevOps standards.

Junior Cloud Engineer
Neeyamo, India
Nov 2020 – Aug 2021

- Supported CI/CD adoption using Jenkins and AWS for internal applications.
- Containerized legacy apps with Docker; assisted with provisioning workflows.
- Participated in RCA, incident response, and change management processes.

Projects & Contributions

DevSecOps CI/CD Pipeline on AWS- 🔗 [Project Post](#)

Goal: Build a fully automated, secure, and scalable CI/CD pipeline for production-like workloads
Stack: Terraform, Jenkins, GitHub, Argo CD, Docker, Kubernetes (EKS), Ansible, SonarQube, Trivy, Prometheus, Grafana
Highlights:

- Designed and implemented an end-to-end CI/CD pipeline integrating **GitOps** with **Argo CD**, managing Kubernetes deployments in AWS EKS

- Used **Terraform** and **Ansible** to automate infrastructure provisioning and configuration management
- Integrated **SonarQube** (code quality) and **Trivy** (image scanning) into the pipeline for full DevSecOps coverage
- Set up **Prometheus** and **Grafana** for monitoring across stages and clusters
- Project demo shared on LinkedIn — reached 6,500+ views and sparked DevOps discussions

FSx for NetApp ONTAP Automation (AWS)- 🔗 [GitHub](#)

Goal: Automate provisioning of high-performance cloud file storage for Linux workloads
Stack: AWS FSx, NetApp ONTAP, Ansible, EC2, NFS
Highlights:

- Developed **Ansible playbooks** to provision **FSx ONTAP** volumes and configure NFS access for EC2
- Enabled persistent storage with fully automated storage VM (SVM) setup
- Shared as an open-source repo for repeatable infra-as-code use

Fine-Tuned LLM for Clinical Note Simplification- 🔗 [Demo](#)

- Fine-tuned a **T5 model** using **LoRA** and **PEFT** on 1,500+ anonymized medical samples
- Deployed via **Gradio UI** on Hugging Face Spaces for real-time user interaction
- Demonstrated ethical AI communication and domain adaptation techniques

AI-Based Forest Fire Detection on Cloud- 🔗 [GitHub](#)

- Built and trained a CNN model with **96%+ accuracy** for detecting fires in real-time
- Integrated IoT-based image feeds and deployed image processing via **Firebase cloud**
- Designed infrastructure to support remote alerts and edge-device adaptability

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Education & Certifications

Postgraduate Diploma in Cloud Computing
Atlantic Technological University, Ireland | 2021 – 2022

BSc in Computer Science
Thiagarajar College, India | 2017 – 2020

Certifications:

- **Certified Kubernetes Administrator (CKA)** – Dec 2024
- **AWS Solutions Architect Associate** – Jul 2022
- **Microsoft Azure Fundamentals (AZ-900)** – Sep 2023
- **Microsoft Azure AI Fundamentals (AI-900)** – Aug 2024
- **Certified Kubernetes Security Specialist (CKS)** – *In Progress (Expected Aug 2025)*