

MYTRESH RAVI

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PROFESSIONAL SUMMARY

DevOps and Site Reliability Engineer with **4.5+** years building and scaling cloud-native platforms across **Azure, AWS, and GCP**. Expertise in end-to-end **CI/CD** automation using **Azure DevOps, GitHub Actions**, and **Jenkins**, **Kubernetes** orchestration (**AKS, EKS**), and infrastructure as code with Terraform and Bicep. Skilled in embedding observability with Prometheus, Grafana, Splunk, and Datadog, and integrating DevSecOps practices (SonarQube, OWASP) into every stage of the release pipeline. Also building working knowledge of AI/ML engineering **LangChain, LangGraph**, and **RAG** pipelines to bridge infrastructure automation with modern AI-driven systems. Focused on building systems that ship faster, scale reliably, and stay resilient under pressure.

TECHNICAL SKILLS

DevOps & CI/CD	Azure DevOps (Repos, Pipelines, Artifacts), GitHub Actions, GitLab CI/CD, Jenkins, CI/CD Automation, Multistage YAML Pipelines, Release Engineering
Cloud Platforms	Microsoft Azure (AKS, App Services, Functions, VMs, VNets, NSGs, Key Vault), AWS (EC2, S3, Lambda, IAM, CloudWatch, VPC, EKS), GCP, Route53, ELB/ALB/NLB, CloudFront
Containers & Orchestration	Docker, Kubernetes (AKS, EKS), Helm, Ingress, Microservices Deployment, Auto Scaling, Istio (Service Mesh), Sidecar Injection
Infrastructure as Code	Terraform (Modules, Remote State), Bicep, ARM Templates, CloudFormation, Ansible, Infrastructure Automation
Monitoring & SRE	Prometheus, Grafana, Azure Monitor, CloudWatch, Log Analytics, ELK Stack, Splunk, Datadog, Alerting, Observability, Incident Management, Argo / GitOps
Security & DevSecOps	Azure Key Vault, IAM, SonarQube, OWASP, Secrets Management
Scripting & Automation	Python, Bash, PowerShell, Linux, LangChain, LangGraph, FastAPI, SQLAlchemy, Redis, MCP (Model Context Protocol), AI Agents, ChromaDB, OpenAI API
Version Control	Git, GitHub, Bitbucket, Azure Repos (Branching, PR Workflows)
Data & Streaming	Kafka, MQTT, InfluxDB, Azure Data Factory (ADF), Azure Data Lake Storage Gen2 (ADLS Gen2), Microsoft Fabric (OneLake, Lakehouse), PySpark, Delta Lake, ETL/ELT Pipelines
Data Base	T-SQL, stored procedures, replication, clustering/failover, backup-recovery, and performance tuning.

EXPERIENCE

Xoriant Solutions <i>Senior Software Engineer (Cloud & DevOps)</i>	Jun 2024 – Feb 2026
- Designed and implemented end-to-end CI/CD pipelines using Azure DevOps, GitHub Actions, Jenkins, and GitLab CI/CD, enabling faster and more reliable deployments across multi-environment setups. - Automated infrastructure provisioning using Terraform, Bicep templates, and AWS CloudFormation across Azure and AWS (EC2, S3, IAM, Lambda), improving environment consistency and reducing configuration drift. - Containerized 10+ microservices using Docker and orchestrated deployments on Kubernetes (AKS), achieving 99.9% uptime and enabling seamless scaling across dev, staging, and production environments. - Managed and optimized Kubernetes workloads (Deployments, Services, Ingress, Auto-Scaling) across AKS and AWS EKS clusters, improving deployment stability by 35% and reducing pod failure rates. - Implemented observability and SRE practices using Prometheus, Grafana, and Azure Monitor, improving system visibility and accelerating incident detection and resolution. - Integrated security practices into CI/CD pipelines using SonarQube and OWASP, strengthening application security and compliance. - Architected hybrid cloud connectivity between on-prem and Azure using private endpoints, VNets, and NSGs, eliminating public internet exposure for sensitive workloads.	

- Engineered reusable CI/CD pipeline templates, onboarding 5+ teams onto standardized branching strategies and cutting new pipeline setup time by 60%.
- Eliminated operational toil by automating alerting, deployment, and rollback workflows using Python and Bash, reducing manual production incident intervention by 40%.
- Optimized cloud resource utilization across Azure and AWS through cost monitoring, right-sizing, and auto-scaling, reducing infrastructure spend by 25%.
- Automated configuration management using Ansible to ensure consistent server provisioning and reduced setup times.

Synectiks

Jan 2021 – Nov 2023

Site Reliability Engineer (SRE)

- Designed and optimized CI/CD pipelines in Azure DevOps, Jenkins, and GitLab CI/CD, integrating Maven for automated build scheduling, reducing deployment time by 40% and improving release reliability by 30%.
- Built and managed modular Terraform modules to provision scalable Azure infrastructure including AKS and ACR with remote state management via Azure Storage Account.
- Engineered multi-stage Dockerfiles for microservices across Flask, .NET, Java, and Node.js stacks, cutting image size by 45% and streamlining builds to Azure Container Registry (ACR).
- Deployed and managed containerized workloads on AKS using YAML manifests (Deployments, Services, ConfigMaps, Secrets, Ingress) with auto-scaling, load balancing, and secure HTTPS routing.
- Provisioned and managed Azure IaaS resources including VMs, VNets, NSGs, Internal Load Balancers, and VNet Peering, ensuring secure cross-resource communication and high availability.
- Managed Azure Storage solutions (Blob, File) and configured Azure Backup and Recovery Services Vaults to enforce data protection policies and business continuity.
- Implemented end-to-end observability integrating Prometheus, Grafana, Azure Monitor, and Log Analytics for AKS, reducing incident response time by 50%.
- Implemented DevSecOps practices integrating SonarQube, vulnerability scanning, and Azure Key Vault into CI/CD pipelines, improving code quality and application security posture.
- Automated infrastructure and deployment workflows using Bash and Python, optimizing resource utilization and reducing cloud costs via auto-scaling and cleanup strategies.
- Provisioned and managed AWS S3 buckets and Lambda functions using CloudFormation templates, enhancing cross-cloud storage and compute automation.

EDUCATION

Rowan University

New Jersey, USA

Master of Science, Computer Science

GPA: 3.87 / 4.0