SHYAM NALLURI

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SUMMARY

DevSecOps and Platform Engineer with 5+ years of experience across AWS and Azure cloud environments. Proficient in Terraform, Kubernetes, and Docker for delivering scalable, secure infrastructure and platform automation. Built CI/CD pipelines with Jenkins, GitHub Actions, and Azure DevOps, embedding quality and security gates. Experienced in Python and Bash scripting to automate infrastructure, observability, and access management. Collaborative and adaptable team player, looking to apply my skills in a dynamic environment driving cloud innovation.

TECHNICAL SKILLS

- **Cloud:** AWS, Azure
- **Scripting:** Python, Bash, PowerShell
- **Tools**: Artifactory, SonarQube, Confluence, Microsoft Entra (Azure Active Directory)
- **Source Control**: Git, GitHub, Bit Bucket, Azure Repos
- **Infrastructure and configuration tools:** Terraform, CloudFormation, Ansible
- **CI/CD Tools:** Azure DevOps, GitHub Actions, Jenkins
- **Containers & Orchestration:** Docker, Kubernetes, Helm, ECS
- **Observability & Monitoring:** Splunk, Grafana, Azure Monitoring and Alerting, CloudWatch
- **OS & Platforms:** Ubuntu, Linux (RHEL)
- **Others**: YAML, JSON, DynamoDB, Azure storage, Azure Functions, S3, Azure Key Vaults, Timestream, HashicorpVault
- **Focus Areas:** Platform Reliability, Infrastructure Automation, API Integrations, Secrets Management, Security, Cost Optimization

WORK EXPERIENCE

DevOps Engineer – Riversafe ltd, London | Sep 2022 – Present

Client: BP, London | May 2023 – Dec 2024

- Developed **Azure Functions** to automate project onboarding by managing RBAC assignments, service connection configurations, agent pool monitoring, and test plan license allocation using **Azure Event Grid** and **Azure Monitor**.
- Migrated **SonarQube** from EC2 to Kubernetes (EKS), authoring **Helm charts** with persistent volumes, secrets, ingress, and autoscaling, improving reliability and standardization.
- Automated complex workflows for tools like **Splunk, Artifactory, and SonarQube** using AWS **Lambda**, Step Functions, and API Gateway, streamlining cross-tool integration and reducing manual ops by **98%**.
- Developed automation for **JML (Joiners, Movers, Leavers)** process across tools like Artifactory and ADO using **Python**, ensuring **secure** and consistent access provisioning.
- Managed **Azure DevOps** platform at scale, handling pipeline templates, service connections, repo governance, and test license allocation, improving platform usability and compliance by **60%**.
- Implemented automated **license usage monitoring & cleanup using python script** for SonarQube and Azure DevOps, achieving annual cost savings reduced by **40%**.
- Provisioned and maintained **Azure VM Scale Sets**, configured agent pools, and optimized **Jenkins pipelines** for large-scale build and deployment processes.
- Automated **TFVC to Git migrations** and also decommissioned **20,000 inactive Azure DevOps repositories**, introduced a self-service reactivation workflow to enhance SCM efficiency.
- Supported deployment and optimization of **Dockerized** workloads on AWS **ECS** and **Kubernetes** clusters, improving platform scalability and resource utilization.
- Designed notification suppression for observability pipelines using **AWS Parameter Store** and **PowerShell script,** reducing alert fatigue by 70%.
- Participated in **Agile** ceremonies and collaborated with cross-functional teams to improve deployment velocity and system **resilience** through secure, automated solutions.

Internal - Riversafe

- Developed **Terraform** modules and **Ansible** playbooks to provision and manage infrastructure across AWS and Azure, reducing environment setup time by **90%**.
- Built secure **CI/CD** pipelines using **GitHub Actions** and **Azure DevOps**, integrating **SonarQube**, static code analysis, and approval gates to improve delivery speed by **95%**.
- Automated **service hook lifecycle management** in Azure DevOps using Python and REST APIs, ensuring state consistency and reducing manual intervention by **80%**.
- Collaborated with teams to implement **DevOps best practices** focusing on automation, platform reliability, and security at scale.
- Delivered platform observability via AWS Managed Grafana and Timestream; enabled real-time visualization of DORA metrics and improved delivery health tracking by 70%.
- Led Design and implementation of **serverless, event-driven architecture** on AWS (Lambda, API Gateway, SQS, DLQ, Timestream, EventBridge, Aws Grafana), processing real-time Azure DevOps pipeline events.
- Developed and optimized **reusable Azure DevOps pipeline templates**, accelerating development workflows and reducing build configuration time by **70%.**

Junior DevOps Engineer – Globex Digital Solutions, India | May 2018 – Dec 2019

- Implemented **CI/CD pipelines, environment management**, and automated deployments using **Jenkins**, improving deployment frequency by **80%**.
- Containerized microservices with **Docker** and deployed to **AWS ECS**, configuring auto-scaling policies using **CloudWatch metrics** to ensure service reliability.
- Provisioned and configured **AWS infrastructure components** including VPCs, Subnets, Route Tables, Load Balancers, and Route53 to support scalable, production-ready applications.
- Used **Ansible** for application and database configuration management, reducing manual provisioning efforts by **50%** and ensuring environment consistency.
- Provided **Linux systems administration**, developing automation scripts for server monitoring, backup processes, and deployment tasks, improving operational efficiency by **40%**.

CERTIFICATIONS

- Azure Az-900 Certified Verify
- AWS Partner: Technical Accredited Verify
- HashiCorp Certified: Terraform Associate (002) - March 2023 Verify
- DevOps, Cloud, and Agile Foundations Certified
- DevOps Essentials Issued by Coursera
- Cloud Computing Issued by Coursera

EDUCATION

- **University of East London – London | 2020 – 2022**
  MSc. Computer Science
- **JNTUH Hyderabad – India | 2014 - 2018**
  Bachelor's in Electronics and Communications