Sunil Anand S

DevOps Engineer

sunilmsanand@gmail.com

Core Competencies

Cloud Platforms – AWS
DevOps Tools - Docker, Git, Terraform, Kubernetes, Azure DevOps, Packer, Snyk, Sonar Cloud
Scripting - Shell Scripting
CI/CD - Azure DevOps, Cloud Build, Jenkins
Configuration Management - Ansible
Networking - Firewall Configuration, DNS
Monitoring and Logging - New Relic, Cloud Monitoring, Prometheus
Database - MySQL, PostgreSQL
OS - Windows, Linux
IaC - Terraform
Containerization - Docker, Kubernetes
Security - AWS Security, IAM, Service Accounts
System Administration - Windows, Linux/Unix, Unix shell scripting (bash)
Log Management - New Relic, AWS CloudWatch

Education & Certifications

BE - Computer Science 2019
Bannari Amman Institute of Technology.
Courses - Operating Systems - Linux and Enterprise Systems, C and Web Servers

Soft Skills

Communication
Collaboration
Problem-solving
Adaptability
Time Management
Attention to Detail
Leadership
Proactive Learning

Professional Summary

A dynamic and skilled DevOps Engineer with three years of hands-on experience in cloud computing services and automation, proficient in Linux, Cloud Computing, CI/CD pipelines, and Infrastructure as Code. Dedicated to optimizing team workflows and leveraging technology for streamlined processes. Brings strong problem-solving and communication skills to the table. With a solid educational background in Computer Science and expertise in a range of DevOps tools; well-positioned to contribute to dynamic IT environments. Known for a passion to enhance system performance through innovative approaches, and committed to ongoing professional growth and excellence in the field. Proven ability to collaborate seamlessly within cross-functional teams, ensuring effective communication and synergy across diverse projects. Ready to drive efficiency and contribute to the success of future endeavors through a combination of technical expertise and collaborative leadership.

Career Highlights

Introduced and implemented advanced GitHub strategies, automated build protocols, and deployment simplifications, enhancing team efficiency by 20%.
Played a key role in managing Kubernetes Clusters, Azure Pipelines, and Docker for an E-commerce Website, contributing to significant operational improvements.
Successfully crafted end-to-end solutions on AWS, showcasing expertise in networking, instance management, and efficient deployment practices.
Proficiently configured AWS Security fundamentals, ensuring secure access and identity management.
Leveraged Infrastructure as Code tools like Terraform for efficient and scalable infrastructure provisioning.
Demonstrated expertise in configuring and managing databases, including MySQL and PostgreSQL on Linux servers.
Collaborated effectively with cross-functional teams to configure web servers like Nginx and Apache for seamless application hosting.

PROFESSIONAL EXPERIENCE:

INFRASPACE SOLUTIONS

JUNIOR DEVOPS ENGINEER **JULY 2020 – JULY 2023**

INFRASTRUCTURE AUTOMATION ENGINEER **DECEMBER 2024 - PRESENT**

INFRA SPACE SOLUTIONS **JULY 2020 – JULY 2023**
JUNIOR DEVOPS ENGINEER

IT COMPANY OFFERING COMPREHENSIVE SOLUTIONS IN SOFTWARE DEVELOPMENT, CLOUD, TEST AUTOMATION, PERFORMANCE MANAGEMENT, ECOMMERCE, AND BIG DATA MANAGEMENT.

Collaboration: Work closely with software developers, system operators (SysOps), and other IT professionals to manage code releases.

Automation: Implement and manage continuous integration and continuous delivery (CI/CD) pipelines to automate software delivery processes.

Infrastructure as Code (IaC): Use tools like Terraform, Ansible, to automate and manage infrastructure provisioning.

Version Control: Utilize version control systems like Git for tracking changes in code and configuration.

Containerization: Implement containerization technologies such as Docker to ensure consistency across various development, testing, and deployment environments.

Orchestration: Manage container orchestration platforms like Kubernetes to automate the deployment, scaling, and operation of application containers.

Cloud Computing: Deploy and manage applications on cloud platforms like AWS optimizing infrastructure resources.

Monitoring and Logging: Implement tools like Prometheus, Grafana, or New Relic for monitoring and logging to ensure system performance and troubleshoot issues.

Security: Implement security best practices in infrastructure, applications, and pipelines. Manage access controls, encryption, and vulnerability assessments.

Collaboration Tools: Use collaboration tools like Slack, Jira to facilitate communication and collaboration within development and operations teams.

Scripting and Coding: Write scripts and code (often in languages like Python or Bash) to automate repetitive tasks and enhance processes.

Incident Response: Collaborate in incident response activities, including identifying and resolving issues promptly.

Documentation: Maintain clear and comprehensive documentation for configurations, processes, and procedures.

Performance Optimization: Continuously optimize system performance, resource utilization, and application responsiveness.

Release Management: Coordinate and manage software releases, ensuring smooth deployment and rollback procedures.

Projects

Health Care | Crex | 16 Months (July 2020 – October 2021)

Team Size: 4

AUTOMATE AND ENHANCE SOFTWARE DEVELOPMENT AND DELIVERY PROCESSES, ENSURING SECURITY, SCALABILITY, AND TIMELY PROJECT EXECUTION THROUGH COLLABORATION WITH CROSS-FUNCTIONAL TEAMS

Implemented CI/CD pipelines with Azure Pipelines, enabling automated build, test, and deployment processes.
Leveraged Docker for containerization of application components, ensuring consistency and portability across environments.
Created Kubernetes Clusters on On-Premise Datacenters.
Configured Virtual Private Cloud (VPC) on both On-Premise Infrastructure, establishing a secure and isolated network environment.
Implemented Security fundamentals on IaaS, including IAM, SSH authorization, ensuring secure access and identity management, backup and recovery strategies on on-premise servers, ensured data protection and business continuity
Created multiple pods for different microservices using Kubernetes.
Collaborated with cross-functional teams, including developers and system administrators, to ensure smooth project execution and timely delivery.

NSI Systems | 4 Months (November 2021 – February 2022)

Team Size: 4

SET UP A ROBUST DEVELOPMENT ENVIRONMENT BY BUILDING INFRASTRUCTURE, IMPLEMENTING SOURCE CONTROL, CREATING A PROJECT PIPELINE, MANAGING A TESTING SERVER, AND CONFIGURING ESSENTIAL DATABASES AND SERVERS

Built basic infrastructure on Azure VM (Windows) and On-Premise's server.
Managed source control using Azure Git Workflow.
Managed CI/CD process using Azure DevOps Service.
Created, developed, and managed a WordPress Server using LAMP stack.
Configured and managed MySQL database and RabbitMQ server.

Event Management System | 14 Months (MARCH 2022 – JULY 2023)

Team Size: 4

MODERNIZE AND OPTIMIZE THE DEPLOYMENT ARCHITECTURE, ENHANCING SCALABILITY AND RESOURCE UTILIZATION THROUGH THE SEAMLESS INTEGRATION OF MICROSERVICES, EFFICIENT CI/CD PROCESSES AND STRATEGIC UTILIZATION OF CLOUD AND ON-PREMISE INFRASTRUCTURE

Deployed a DotNetCore Web Application as microservices on both On-Premise and Cloud Infrastructure.
Integrated Snyk with GitHub for code quality and security checks. Also implemented GitHub branching strategies.
Used Azure DevOps as a tool for repository access, leveraging Azure Pipelines and Artifacts for CI/CD purposes.

Employed Jenkins as a CI/CD tool for automated source code deployment.
Created end-to-end solutions on AWS, covering networking, instance management, pipeline creation, deployment, and monitoring, security fundamentals, including IAM, Service Accounts, and Identity Center for secure access and identity management.
Assisted Senior Engineers in managing Kubernetes Clusters, Azure Pipelines, and Docker.
Implemented AWS Networking fundamentals, including VPC and Firewall Rules.
Implemented Load Balancer, Auto Scaling, database, and Firewall rules for optimized performance and high availability.
Leveraged Infrastructure as Code tools like Terraform for efficient and scalable infrastructure provisioning, automating the creation of instances, networks, and monitoring operations.
Utilized Configuration Management tools like Ansible for streamlined system configurations.
Explored and utilized Kubernetes concepts and features like Deployment, Services, Ingress, PVC, (Prometheus, Grafana, and New Relic) for monitoring purposes.
Converted applications hosted on VMs to a container-based deployment architecture for improved scalability and resource utilization.

DEPLOYING CLOUD DATA CENTERS | 5 MONTHS (DECEMBER 2024 – PRESENT)
TEAM SIZE: 4

Leveraged Shell Scripting to automate the installation and Configuration of the Tech stack.
Configured Kubernetes Clusters, Dashboards and Workloads.
Reduced the time of Deploying Data centers through automation by 50 percent.
Monitored and analyzed the Tech stack which involves Influx DB, Telegraf and Grafana.

CERTIFICATIONS:

HASHICORP CERTIFIED TERRAFORM ASSOCIATE (003):

CERTIFICATE PROVIDER: Hashicorp
PROVIDED ON: October 2024
EXPIRES ON: October 2026
SKILLS ACQUIRED: Terraform, Infrastructure as Code