

PROFESSIONAL EXPERIENCE

Having a professional experience over 4+ years as DevOps engineer in Automating, Configuring and Deploying instances on Cloud environments and Data Centers, CI/CD pipeline, Build and Release Engineer, AWS/Azure and Linux/Windows Administration, Software Configuration Management (SCM), Containerization using Docker and Kubernetes, orchestration, Version control with Git, Configuration management with Ansible, and monitoring using Prometheus and Grafana to contribute to the success of innovative projects.

SKILL SET

- Cloud Platform: Microsoft Azure (IaaS & PaaS), AWS Cloud.
- AWS and Azure Services: RDS, EC2, VPC, IAM, Cloud Formation, EBS, S3, ELB, Auto Scaling, Cloud Trail, EKS, ECR, Cloud Watch, Azure app Services, Key vault, Azure function app, Azure storage accounts, Azure Active Directory (Azure AD), Azure Container Registry (ACR) and AKS, Azure SQL, Azure Data Factory.
- CI/CD, Artifactory and Database: Jenkins, Azure pipelines, Jfrog, Nexus, RDS, Cosmos DB, My SQL DB, SQL Managed Instance.
- Configuration-management / infrastructure as code: Ansible, Puppet, Terraform, Cloud Formation, ARM Templates.
- Container Platforms: Docker, Kubernetes, Open Shift, Helm.
- Monitoring and version control tools: Splunk, ELK, Prometheus, Grafana, Data Dog, GITHUB, GitLab, Azure Repo, Bit Bucket.
- Languages: C, C++, SQL, PowerShell, HTML, Python, Shell scripting, groovy, JavaScript, CSS, Angular, React, .NET.
- Code Scanning and Logging: SonarQube, ECR Inspector, Cloud Watch, Cloud Trail, Azure App Insights, Azure Monitor.
- Web Server and Tracking Tools: Nginx, Apache, Tomcat, Jira, and service now.

WORK EXPERIENCE**Company:** University of North Texas, Denton**Role:** Teaching Assistant, Jan 2022 to May 2023

- ✦ Designed and developed course content, including lectures, hands-on exercises, and assessments for 100 student class.
- ✦ Updated course materials to reflect the latest Cloud platforms technologies like AWS, Azure and GCP.
- ✦ Guided students in practical problem-solving exercises related to DevOps challenges like Jenkins pipeline, Kubernetes, Docker, Terraform, Ansible, debugging and troubleshooting technical issues.
- ✦ Monitoring and log aggregation using Prometheus, Grafana, and ELK Stack (Elasticsearch, Logstash, and Kibana).
- ✦ Strong understanding of DevOps principles, practices, and methodologies like SonarQube, containers (Docker, EKS, OpenShift etc.) and Proficient in container orchestration platforms such as Kubernetes.
- ✦ Proficient in implementing CI/CD pipelines using popular tools like Jenkins, GitLab CI/CD, or CircleCI.
- ✦ Experience with Infrastructure as Code (IaC) using tools like Terraform or Ansible to manage and provision cloud resources.
- ✦ Proficient in container orchestration platforms such as Kubernetes.
- ✦ Skilled in using Git for version control and understanding branching strategies.

Company: Webtech69 Software Solutions, Raipur**Role:** Cloud DevOps Engineer, May 2019 to Dec 2021

- ✦ Worked on Microsoft Azure toolsets including Data Factory Pipelines, Data bricks, Data Lake Storage, Virtual Networks, VM, App Service Plan, Functions, SQL DB, ACR for Private Docker Registry, Repos, Board, Test plan, VPN gateway, Load balancer, Kubernetes Service (AKS), Express Route, DevOps, Repos, Active Directory, Dynamic 365, Site Recovery (ASR), Network settings, DNS settings, security policies, Routing, Resource Manager (ARM), Service Fabric, Application gateway, Docker, Terraform, PowerShell, Prometheus and Grafana.
- ✦ Designing, deploying, and maintaining the application servers on AWS infrastructure, using services like AWS EC2, S3, Glacier, VPC, Lambda, Route53, SQS, IAM, Cloud Front, RDS, AWS Cloud Formation, Jira, Confluence, Jenkins, AWS Cloud (VPC, EC2, S3, Autoscaling, ECS, ECR, CloudWatch, Elasticsearch), Elasticsearch, Kibana, Linux, Windows, Terraform, Python, shell scripting, Gitlab CI/CD, Kubernetes, AWS Key Vault, AWS secrets manager, Shell scripting, YAML, TCA, Linux – RHEL, Grafana.
- ✦ Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates, Cloud watch (monitoring), AWS Elastic Beanstalk (app deployments), VPN, ELM, Route53.
- ✦ Wrote Terraform scripts to deploy different AWS Infrastructure components related to the respective services and Implemented AWS EKS Cluster using Terraform from Scratch to implement a fully working EKS Multi Node Cluster
- ✦ Achieved 10% cost savings by leveraging Kubernetes tools for resource optimization, automated scaling, and efficient Infrastructure-as-Code (IaC) practices, streamlining operations, and reducing cloud expenses.
- ✦ Reduced 8% project cost through cost-effective infrastructure strategies and optimized workflows via DevOps initiatives.
- ✦ Worked on query languages such as SQL, code languages such as Python or C and scripting languages such as PowerShell, M-Query (Power Query), or Windows batch commands.
- ✦ ELK Managing, PowerShell scripting for automation and used agile methodology.
- ✦ Worked with Terraform scripts to automate the Azure IaaS virtual machines and automating VNET, NSG, AKS, ACR, VMs, and Storage accounts.
- ✦ Designed and implemented CI/CD pipeline for Azure app services and integrating API's using Apigee and AWS API gateway.
- ✦ Created Ansible roles in YAML and written the Ansible YAML scripts to configure the remote servers.
- ✦ Developed and maintained Continuous Integration (CI) using tools in Azure DevOps (VSTS) spanning multiple environments, enabling teams to safely deploy code in Azure Kubernetes Services (AKS) using YAML scripts and HELM charts.
- ✦ Monitoring and troubleshooting Kubernetes clusters using Prometheus, Grafana and Nagios for log files.
- ✦ Good hands-on experience in Code Quality Assurance tool for create quality gates like SonarQube in pipelines.
- ✦ Worked on the Integration of Maven, Ant, Node.js, GitHub, Chef and Jenkins to build and deploy artifacts to Nexus Artifactory.

CERTIFICATIONS

- ✦ Certified Kubernetes Administrator (Id No.: LF-6thhiv9yil)
- ✦ Certified AWS Developer (<https://aws.amazon.com/verification>, Validation No.: C807VVDCVEV4Q5KE)

EDUCATION

- ✦ Masters in engineering management from University of North Texas, Denton (May 2023) GPA: 3.72
- ✦ Bachelors in engineering from Rajasthan technical university, Rajasthan (May 2020) GPA: 3.57