

Carrier objective:

Earned the **AWS Certified Solutions Architect - Associate** certification, demonstrating expertise in designing and deploying scalable and fault-tolerant systems on the Amazon Web Services (AWS) platform. To place myself in a well-developed organization where I can apply my functional and technical expertise innovative thinking, and hardworking capability to become a dedicated DevOps Engineer.

I have obtained the Microsoft Azure Fundamentals (**AZ-900**) certification

PROFESSIONAL SUMMARY:

Having overall **7+ years** of experience in **Devops with AWS** .

- Experience with cloud infrastructure of AWS(Amazon Web Services) and computing AMI virtual machines on EC2 (Elastic Compute Cloud), Route53, S3, VPC and Cloud Formation.
- Hands-on experience in DevOps, DevSecOps, and GitOps principles. Expertise in CI/CD Pipelines, Infrastructure as Code (IaC), Pipeline as Code (PaC), and Release Engineering using GitHub Actions, Jenkins, GitLab, and ArgoCD.
- Configured AWS IAM Identity Center (SSO) for external identity providers like Azure AD and Google SSO.
- Implemented GitHub Self-Hosted Runners with Action-Runners and OIDC integration for secure AWS resource access.
- Automated application deployment to EKS Clusters using ArgoCD.
- Streamlined Docker builds and pushes to Amazon ECR using BuildKit, optimizing resource usage.
- Enabled ECR Pull Through Cache to cache container images, reducing reliance on external registries and improving deployment speeds.
- Enforced compliance and security standards using Kyverno, ensuring adherence to organizational policies.
- Implemented restrictions to allow only approved container images from vetted registries, ensuring software license compliance and minimizing risks.
- Developed and enforced OSS security policies, reducing vulnerabilities and enhancing production reliability.
- Automated container image caching and retrieval processes to optimize storage efficiency and reduce latency.
- Strengthened Kubernetes cluster resilience by reducing reliance on external image sources, improving reliability across environments.
- Proficient in Terraform for automating private and public cloud infrastructure management.
- Configured automated deployments using Kubernetes Helm Charts and Docker Swarm for environments like Dev, QA, Perf, UAT, and Stage.
- Implemented centralized log management with Elasticsearch, Fluentd, and Kibana (EFK).
- Deployed Prometheus and Grafana to monitor Kubernetes clusters, containers, and CI/CD pipelines.
- Integrated SonarQube for code analysis, vulnerability checks, and quality gate enforcement.

- Extensive experience with AWS services like EC2, S3, EBS, ELB, Auto Scaling Groups, RDS, VPC, IAM Roles and Policies, CloudWatch, and EKS.
- Skilled in Agile practices such as release planning, sprint planning, daily standups, retrospectives, and removing impediments.

WORK EXPERIENCE

- Currently working in **Accenture** . from August 2021 to till date.
- Worked in **TechMahindra** from Mar 2017 to Aug 2021.

ACADEMIC QUALIFICATION

- **Bachelor of Technology (Mechanical)** from NRI Institute of Technology affiliated to J.N.T.U, Kakinada during 2012-2016 with an aggregate of **64%**.

TECHINICAL SKILLS

Continuous Development	Git, Gitlab, Github, Agile
GitOps	ArgoCD, Spinnaker
CICD Tools	Github Actions, GitLab CI, Jenkins,
Security Tools	Kyverno, PSS
Containerization	Docker, Dockerfile, Dockerhub, Harbor, Clair
Containerization Orchestration	Kubernetes, Docker-Swarm, Helm
Configuration Management	Ansible, Ansible-Tower
IAC Tools	Terraform, CloudFormation
Scripting Language	Shell Script, Perl, Python
Monitoring	Prometheus, Grafana, Splunk, CloudWatch
Cloud Providers	AWS, Azure
Project management tools	Jira, Rally, Confluence
Log Management	Elasticsearch, Fluentd, Kibana

Project 1:

Title : CAIP

Client : Accenture(Internal)

Duration : Sep 2021 to Till date

I Am Responsible for :

- Managed AWS infrastructure using Terraform modules and custom configurations, ensuring scalability and reliability.
- Upgraded and optimized Terraform modules for better maintainability and improved performance.
- Implemented AccessOwl to facilitate seamless access requests directly through Slack.
- Configured AWS IAM Identity Center to manage multiple accounts and enable secure access via external identity providers.
- Deployed Karpenter in EKS clusters to optimize costs and dynamically scale nodes based on workload requirements.
- Upgraded EKS clusters with zero downtime, ensuring uninterrupted application availability.
- Configured GitHub Action Runners using Action Runner Controller and OIDC integration to allow GitHub workflows to securely access AWS services without requiring IAM roles.
- Implemented ArgoCD for automated deployments across multiple environments, enabling GitOps workflows.
- Enforced robust security policies at the Kubernetes level, including Kyverno policies and Pod Security Standards (PSS), to enhance cluster security.
- Established and enforced OSS compliance policies using Kyverno to ensure adherence to organizational standards.
- Implemented AWS WAF (Web Application Firewall) at the ALB level to enhance application security and mitigate potential threats.
- Worked closely with developers to streamline infrastructure provisioning, CI/CD pipelines, and security workflows, ensuring efficient collaboration across teams.
- Experience on Terraform for Infrastructure as a Code for provisioning of entire Infrastructure.
- Worked with different teams in getting the Release done smoother and participated in the day-to-day scrum meetings.
- Worked with Ansible to configure the build Machines using playbooks and roles.
- Experienced in creating VPC's and Public, Private Subnets as per requirement. Used Security groups, Network
- Followed different Deployment Strategies like Recreate, Rolling-update, Blue-Green and Canary depending upon the Environment and type of requirement.

Project 2:

Title : Straumann

Client : Straumann

Duration : Jan 2020 to AUG 2021

I Am Responsible for :

- Hands on involvement in Amazon Web Services (AWS) provisioning the information AWS administrations like EC2, Elastic Load Balancer, S3, Cloud Front, Elastic Filesystem, RDS, VPC, Route53, Cloud Watch, Cloud Trail, Cloud Formation, IAM.
- Provide support for Continuous Development & responsible for maintaining Central repositories like setup projects, giving permissions, creating branches & merge requests in GitLab.
- Created CI/CD pipelines using various tools like Jenkins, Maven, JACOPO, Sonar Scanner, SonarQub, J Frog Artifactory.
- Configured Jenkins to implement nightly builds on daily basis and generated change log for previous day.
- Performed Maintenance of Jenkins by taking Backups, purging unwanted Old Builds, Jobs and uninstalling un- necessary Plugins.
- Good experience in developing various Kubernetes Objects like Pods, Replica Sets, Deployment, Daemon Set, Stateful Set, Services, Persistent Volumes, Secrets, Config Maps.
- Created EBS volumes in AWS for achieving Persistent Volumes to store the application files, which are running in Kubernetes Cluster for Dev, QA, UAT & Stage
- Created and configured Elastic Load Balancers and Auto Scaling groups to distribute the traffic for cost efficiency, fault tolerant and highly available environment.
- Worked with different teams and developed Docker files for the Base Images and Product Image.
- Involved in development of test environment on Docker containers and configured them using Kubernetes cluster and Automated by developing Ansible Playbooks.
- ACL's, Internet Gateways and Route Tables to ensure a secure zone for organization in AWS public cloud.

Project 3:

Title : RDAR

Client : Thomson Reuters

Duration : Aug 2017 to Dec 2020

I Am Responsible for :

- Infrastructure creation and management of AWS infrastructure for including EC2 instances, S3 buckets, RDS databases, VPCs, and IAM roles
- Terraform for automated provisioning and configuration of AWS resources, ensuring scalability and consistency in infrastructure deployment.
- Implement Docker for containerizing applications, streamlining development processes, and facilitating efficient deployment on AWS
- Manage codebase on GitHub, collaborating with team members and implementing version control
- Configure and maintain Jenkins pipelines for continuous integration and delivery, automating build, test, and deployment processes to AWS
- Implement monitoring solutions using AWS CloudWatch to track performance metrics, ensure system availability, and troubleshoot issues proactively
- Implement AWS security best practices, ensuring compliance with industry standards and safeguarding Straumann project data and infrastructure
- Identify and resolve infrastructure issues, optimize AWS resources, and fine-tune configurations for improved performance and efficiency
- Work within Agile framework, participating in sprint planning, daily stand-ups, and retrospectives to deliver value iteratively and improve project processes
- Having experience in using monitoring and logging tools like Prometheus, Grafana, ELK Stack for infrastructure monitoring and analysis.

