ABHILASH R L

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Cloud & DevOps Engineer with 5 years of experience in deployment automation, cloud implementation, and configuration management. Proficient in managing Kubernetes clusters (EKS), optimizing CI/CD pipelines, and ensuring infrastructure and application security. Skilled in AWS, Python, Bash scripting, and tools like Git and Jira. Strong communication and teamwork abilities, dedicated to delivering efficient and reliable solutions in collaborative environments.

Professional Summary:

- Technically sophisticated professional with **AWS Certified AWS Cloud Solution Architect Associate**.
- Expertise in working with **Terraform** key features such as Infrastructure as a code, change automation and extensively used Auto scaling launch configuration templates for launching amazon EC2 instances while deploying microservices.
- Experienced in **AWS Cloud** platform and its features which include **EC2, S3, VPC, ELB, IAM, RDS, CloudWatch, CloudTrail, Cloud Formation, DMS, Security, Identity & Compliance, Messaging, SNS, SQS, Lambda, Route53, CloudFront, AWS API, Python, SNS, SQS, Lambda, Route53, CloudFront**
- Implemented cluster services using **Kubernetes and Docker** to manage local deployments in Kubernetes by building a self - hosted Kubernetes cluster using **Terraform** and Ansible and deploying application containers.
- Containerizing applications using **Docker** and maintaining them in **AWS ECR**. Well versed with creating **DockerFiles** and working with **Docker containers**.
- Configuring EC2 in **AutoScalingGroup** and **LoadBalancer** to provide high availability.
- Experience in deploying applications on **Kubernetes** clusters using **AWS EKS**.
- Configured and deployed applications in various work environments like Development, Test and Pre-Production
- Ability to analyse and evaluate technical problems and design effective solutions.
- Possess good analytical and problem-solving skills with a strong background in system design, development and implementing business solutions.

SKILLS

Operating Systems	Linux, Windows, Mac
Source Code Management	Git, GitLab, Bit Bucket
Build Tool	Maven, Gradle
Continuous Integration Tool	Jenkins, GitHub Actions, CircleCI, Gitlab
Scripting Languages	Shell scripting, Python(Boto3)

Code Quality checking Tool	SonarQube
Cloud Technology	AWS, GCP, Azure
Container Technology	Docker
Container Orchestration	Kubernetes
Infrastructure as Code	Terraform, Atlantis
Configuration Management Tool	Ansible
Artifactory	Nexus
Tracking Tool	JIRA

PROJECTS

Project 1:

Client: Fluence Energy
Role: Cloud & DevOps Engineer
Project: Mosaic
Duration: October 2023 – Present

Roles and Responsibilities:

- Worked extensively with core **AWS services** including **EC2, S3, RDS, IAM, CloudWatch, EKS**, supporting scalable, secure, and reliable cloud environments for the Mosaic platform.
- Utilized **Terraform (IaC)** to provision, update, and maintain infrastructure across multiple environments; collaborated with teams to implement infrastructure changes through **Atlantis** for automated Terraform plan and apply workflows.
- Managed and optimized **EKS clusters**, including performing **EKS version upgrades**, node group updates, scaling, troubleshooting cluster issues, and enhancing reliability and performance.
- Built, deployed, and maintained containerized applications using **Docker**, creating optimized Dockerfiles and storing images in AWS ECR.
- Deployed microservices and workloads using **Kubernetes**, managing deployments, services, ingresses, config maps, secrets, and workload rollouts.
- Developed and optimized **CI/CD pipelines using CircleCI**, automating build, testing, security scans, containerization, and multi-environment application deployments.
- Integrated proactive monitoring and alerting using **Datadog**, creating dashboards, setting up log pipelines, and resolving system and application-level alerts.
- Implemented **GitOps workflows using ArgoCD**, enabling automated, declarative, and version-controlled Kubernetes deployments.
- Implemented and managed **Okta user provisioning and access**, ensuring secure authentication and access management for internal applications.
- Collaborated closely with developers, QA, data teams, and product owners to troubleshoot cloud and deployment issues across multiple environments.

Project 2:

Client: Leading insurance company in Singapore
Role: Cloud & DevOps Engineer
Project: Aviva Insurance
Duration: June 2022 – September 2023

Roles and Responsibilities
- Worked closely with the client to understand their business needs and translated them into scalable AWS solutions.
- Played a key role in architecting, deploying, and maintaining AWS cloud environments for various clients, optimizing performance and cost efficiency.
- Designed, implemented, and optimized Terraform configurations for infrastructure as code.
- Implemented CI/CD pipelines using Jenkins to automate code deployments, ensuring continuous integration and delivery.
- Collaborated with cross-functional teams to troubleshoot and resolve complex technical issues, ensuring seamless operations.
- Conducted regular security audits and implemented best practices to enhance the security posture of AWS environments.
- Worked with Docker to package an application with all its dependencies into a standardized unit for Software Development.
- Worked on Scheduling, deploying, and managing container replicas on a node cluster using Kubernetes.
- Handling Opsgenie Alerts and supporting the daily tickets.
- Handling Deployments and Troubleshooting of Production Systems.

Project 3:

Client: A prominent UK-based software company
Role: DevOps Engineer
Project: Tera Cloud
Duration: April 2021 – May 2022

Roles and Responsibilities

- Spearheaded the deployment of a cloud-based application on AWS, utilizing services like EC2, S3, and RDS to ensure high availability and fault tolerance.
- Implemented CI/CD pipelines using Jenkins, GitHub Actions, and AWS Code Pipeline, leading to a 30% reduction in deployment time.
- Containerized applications using Docker and orchestrated containers with Kubernetes, ensuring seamless deployment and scalability.

- Automated infrastructure provisioning with Terraform, reducing manual configuration errors and streamlining the setup process.
- Set up monitoring and logging using AWS CloudWatch, Prometheus, Datadog, and Grafana, improving system observability and performance monitoring.
- Collaborated with cross-functional teams to troubleshoot and resolve issues during the deployment phase, ensuring smooth project delivery.
- Optimized AWS resource utilization, leading to a 20% reduction in operational costs.

CERTIFICATE

- AWS Certified Solutions Architect - Associate Level
  [VALIDATION N0. -- 5MBBCTD10MRQ1690]

EDUCATION

- Bachelor of Technology IT | 2018.