RAMAKRISHNA P

DevOpsEngineer

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Career Objective:

DevOps Engineer with 4 **years** of hands-on experience in automating, configuring, and deploying applications in cloud environments. Seeking a challenging platform where I can apply my existing skills in CI/CD, containerization, infrastructure as code, and cloud services—including **Amazon Web Services (AWS)** —while continuously learning new technologies to grow both professionally and personally.

Professional Summary:

➢ Having 4 years of IT experience as an AWS DevOps Engineer with strong expertise in software configuration and deployment activities for web-based applications.
➢ Excellent skills in implementing DevOps practices using tools like Git, GitHub, Jenkins, Maven, Nexus, SonarQube, Terraform, Docker, and Kubernetes.
➢ Hands-on experience with version control tools such as Git and GitHub, and in creating CI/CD pipeline jobs using Jenkins for continuous integration and delivery.
➢ Knowledgeable in configuring SonarQube within declarative pipeline scripts to ensure code quality and static analysis.
➢ Experienced with Docker, including installation, image creation, and container management.
➢ Proficient in managing and orchestrating containerized applications using Kubernetes for scaling and deployment.
➢ Skilled in using monitoring and alerting tools like Prometheus and Grafana for real-time system insights.
➢ Hands-on experience with Infrastructure as Code (IaC) tools such as Terraform and AWS CloudFormation templates.
➢ Extensive experience with AWS services including EC2, S3, RDS, VPC, ELB, CloudWatch, EKS,Security Hub, and CloudTrail.
➢ Proficient in scripting with Python and Shell for automation and infrastructure tasks.

Education Qualification:

➢ Degree B.sc in MAHATMA GANDHI University -2021.

Technical Skills:

- **Operating Systems :** Linux, Ubuntu
- **Version Control Tool**s: Git, GitHub
- **CI/CD Tools**: Jenkins
- **Provisioning Tools:** Terraform
- **Containerization & Orchestration Tools:** Docker and Kubernetes
- **Scripting Languages:** Shell Scripting, Python
- **Build Tools:** Maven
- **Security Tools:** SonarQube
- **Monitoring Tools:** Prometheus, Grafana
- **Configuration Management Tools:** Ansible
- **Cloud Platforms:**
- **Amazon Web Services (AWS):** EC2, S3, VPC, IAM, Elastic IPs, Route 53, RDS, SNS, DynamoDB, CloudWatch, CloudFront, EKS, ECR, WAF, Lambda

WorkExperience:

- Working as a DevOps Engineer in MPHASIS, Bangalore Sept 2023 – present
- Worked as a Associate DevOps Engineer in Dell International Services in July 2021 –
- August 2023

Project-2:

Organization : MPHASIS
Client   : Mass Mutual Life Insurance Company
Duration   : Sept 2023 – Till Now
Role   : DevOps Engineer

Description:

Massachusetts Mutual Life Insurance Company (MassMutual) is a leading financial service and mutual life insurance providing company, with specialization in whole life Insurance. It offers products to help people meet their financial needs, such as life Insurance, Disability Income Insurance, Long term care insurance retirement plan services and different kinds of Annuities. MassMutual providing different kinds of insurance such as life insurance, vehicle insurance, business insurance, building insurance etc. with whole life foundation insurance.

Roles& Responsibilities:

- Proficient in AWS Cloud, demonstrating expertise in services such as EC2, VPC, S3, IAM, CloudFront, and CloudWatch.
- Monitored VPC traffic effectively utilizing VPC Flow logs to ensure network security and performance.
- Implemented CloudFront with S3 and Load Balancers, enhancing content delivery and scalability.
- Managed S3 Versioning and static Website hosting, ensuring data integrity and accessibility.
- Established VPC peering connections for secure, private communication between multiple VPCs.
- Administered IAM roles, users, and policies, enforcing granular access control and security best practices.

- ➤ Configured Public and Private subnets according to project requirements, including route table configurations.
- ➤ Utilized CloudWatch events and alarms, and developed custom dashboards to monitor system health and performance.
- ➤ Utilized Git and GitHub for efficient source code management, ensuring version control and collaboration.
- ➤ Managed access control for Git repositories based on project requirements, maintaining security standards.
- ➤ Implemented Jenkins CI/CD pipelines to automate project workflows and deployments.
- ➤ Proficient in declarative pipeline and freestyle job configurations within Jenkins for flexible automation.
- ➤ Hands-on experience with Docker and Docker Compose, creating and managing containers for efficient application deployment.
- ➤ Developed Ansible playbooks and host files for configuration management, ensuring consistency across environments.
- ➤ Familiarity with Kubernetes and Terraform, exploring their potential for infrastructure management and deployment automation.

Project-1:

Organization : Dell International Services
Client : Experian
Duration: July 2021 to Aug 2023
Role   : DevOps Engineer

Description:

Experian's principal lines of business are credit services, marketing services, decision analytics and consumer services. The company collects information on people, businesses, motor vehicles and insurance.

Roles & Responsibilities:

- ➤ Proficient in Linux environments with Bash scripting and experienced in version control using Git, GitHub.
- ➤ Integrated Git and Maven with Jenkins to automate code builds, ensuring consistent and timely project delivery.
- ➤ Created and optimized Maven build scripts to streamline development workflows, increasing productivity and reducing bug resolution time by 30%.
- ➤ Automated project builds and deployments using Jenkins, leading to a 50% reduction in deployment time and improved CI/CD efficiency.
- ➤ Maintained and monitored CI/CD pipelines to support continuous delivery with minimal manual intervention.
- ➤ Successfully deployed web applications on Tomcat servers with zero downtime during production rollouts.

- ➤ Designed and implemented a backup strategy for application code using AWS S3 to ensure reliability before each deployment.
- ➤ Actively addressed automated test/build issues and collaborated with QA and release engineering teams to resolve deployment problems.

- ➢ Extensive hands-on experience with AWS, including services such as EC2, S3, RDS, VPC, IAM, EKS, CloudWatch, CloudTrail, Route 53, Lambda, GuardDuty, WAF, and more for scalable infrastructure management.
- ➢ Provisioned and managed infrastructure using Terraform for both AWS environments, reinforcing Infrastructure as Code (IaC) best practices.
- ➢ Implemented and monitored production workloads using Prometheus and Grafana to ensure high availability and proactive issue resolution.