AWS DevOps Engineer

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CAREER OBJECTIVE: To secure a challenge where I can effectively contribute my technical skills derived from experience and education that can contribute maximum results to the growth and progress of a company.

SUMMARY:
- Around 5+ years of experience in DevOps, Build & Release, AWS Cloud and Docker Technologies.
- Build management experience in tools like Jenkins, and Maven.
- Strong Experience in Amazon Web Services (AWS) to Build & Deploy highly available and scalable infrastructure by using various AWS resources like EC2, ECS, ECR, VPC, ELB, Auto Scaling, IAM, EBS, Snapshots, S3, Security Groups, CloudWatch, Route53, RDS, CloudFormation and CloudFront, CloudTrail, Cognito, Global Accelerator, Config, Inspector, SSM, Redis, DynamoDB, Lambda, Event Bridge, Code Build, Code Deploy and Code Pipeline etc.,
- Having experience in creating custom Docker Images using Docker file Expertise in working on source controller tool like Git.
- Version control and source code management using the GitHub, Bitbucket.
- Expertise in configuring Continuous Integration tools like Jenkins.
- Experience with automation technologies like Ansible, Jenkins, and understanding container technologies like Docker.
- Good Knowledge on Kubernetes.
- Virtualized the servers on AWS using the Docker created the Docker files and version controlled them.
- Expertise in Containerization Docker created Docker images and containers.
- Setting up Docker Environment, creating Docker files, creating docker custom images, creating containers.
- Expertise in Infrastructure as Code (IaC) tools like Terraform, created Terraform modules for almost 20+ AWS Cloud services as a part of POC activity.
- I have good knowledge on Docker network, Docker Swarm, Docker Link and Docker File.
- Good knowledge on Kubernetes, such as creating Clusters, Pods and Expose to Load Balancer.
- Expertise on Amazon EC2, EBS, EFS, ELB, Auto scaling, S3, SSM, SM, ACM, IAM, RDS, DynamoDB, Route 53, CloudFront, Code Build, Code Deploy, Code Pipeline, and other services of the AWS family.
- Good Knowledge on creating Amazon Virtual Private Cloud (VPC).
- Expertise in building and deploying the AWS Cloud infrastructure using Terraform with GitHub Actions.
- Expertise on Build and Deployment process for Apache Tomcat Application Server projects.
- Expertise in installation and configuration of Apache, Tomcat web and application servers.
- Configured the servers with the Nagios monitoring and monitored the performance metrics of the production servers.
- Pleasant experience creating support cases with AWS Support team.
- Good Knowledge in Shell scripting, YML and Groovy.
- Comprehensive experience in design and implementation of Continuous Integration, Continuous Deployment, Continuous Delivery, and best DevOps strategies for Agile projects.

AWS DevOps Engineer

- Worked on Terraform for implementation based on requirements.
- Good Knowledge of DevOps management mythologies and production deployment configurations.
- Skilled in Software Development Life Cycles and Agile Programming Mythologies

EMPLOYMENT HISTORY:
- Working as DevOps Engineer in Indicia Worldwide, Mumbai, MH from May 2023 – Present.
- I worked as AWS Cloud Engineer at Inspira Enterprise India Ltd, Mumbai, MH from July 2022 – March 2023.
- I worked as DevOps Engineer at Bluefield Technologies Pvt Ltd, Bengaluru, KA from Mar 2019 to June 2022.

TECHNICAL SKILLS:

Operating Systems	Linux
Version Control Tools	GIT, Git hub, perforce
Continuous Integration Tools	Jenkins
Build Tools	Maven
Configuration Management Tools	Ansible
Cloud Services	AWS
Containerization	Docker, Kubernetes
Scripting Languages	Shell scripting
Application Server	Tomcat
Webservers	Nginx, Apache2, Httpd
Monitoring Tools	Nagios, Grafana
Ticketing Tool	JIRA
Cloud services	Terraform
Artifact's repository	Nexus

PROFESSIONAL EXPERIENCE

Indicia Worldwide   **May 2023 - Present**
Konica Minolta Business Solutions India Pvt Ltd
DevOps Engineer

Environment: AWS(Linux) with Dockers, Jenkins, Maven, Git, Perforce, Terraform, Apache/tomcat, Nginx, Grafana, Uptime Robot.

Roles and responsibilities:
- Managing version control using Git and Perforce for efficient source code management.
- Migrated version control from Perforce to GitHub, streamlining workflows and improving collaboration.
- Developed and maintained Jenkins CI/CD pipelines for microservices deployment, ensuring seamless automation and scalability.
- Updated Jenkins versions to ensure compatibility, security, and performance improvements.
- Created Docker files to build containerized applications and pushed images to Amazon Elastic Container Registry (ECR).

AWS DevOps Engineer

- Implemented and maintained AWS cloud infrastructure, leveraging services such as EC2, S3, Load Balancer, Route 53, RDS, CloudFront, SNS, Lambda, ECS, EKS, VPC, IAM, and others.
- Migrated ECS services to EKS, improving scalability, reliability, and cost efficiency.
- Deployed and managed Amazon EKS clusters across two regions, ensuring high availability and disaster recovery.
- Regularly upgraded EKS clusters to newer versions when support ends, ensuring compatibility and security.
- Configured RBAC (Role-Based Access Control) and IAM roles to provide secure EKS access to the team, enabling seamless Kubernetes management.
- Worked on EKS by creating deployment files, ingress files, and service files to deploy pods and services efficiently.
- Used Lens to monitor EKS clusters, tracking pod and node health, logs, and overall cluster status.
- Created and updated IAM roles, policies, and permissions to ensure secure access control for AWS services and users.
- Developed static websites using S3 and integrated them with CloudFront for global content distribution and performance optimization.
- Configured Load Balancers (ALB, NLB) and Route 53 for traffic management and high availability across multiple regions.
- Used Amazon S3 for storage and implemented lifecycle policies to manage and optimize costs.
- Optimized cloud deployments using best practices for high availability, security, and cost efficiency.
- Troubleshooting and monitoring cloud resources to ensure maximum uptime and performance.

Inspira Enterprise India Pvt Ltd   **July 2022 – March 2024**
Client: Kotak Mahindra Bank (KMB), Mumbai, MH
AWS Cloud Engineer

Environment: AWS(Linux) with Dockers, Jenkins, Maven, Git, Ansible, Terraform, Apache/tomcat, Nginx.

Roles and responsibilities:
- Configuring new jobs in Jenkins as per the requirement from the dev team.
- Experience of designing and developing comprehensive Cloud Computing solutions on the AWS platform.
- Experience with EC2 Auto Scaling, EBS, S3, ELB, RDS.
- Implementing AWS Infrastructure services (IAAS) like EC2, VPC, ELB, EBS, S3, RDS.
- Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IPs.
- Monitoring health of Amazon EC2 instances and other AWS services.
- Worked in close collaboration with the Development Teams, Product Management, Enterprise
- Architects, Operations, Executives and Finance teams to achieve the optimum performance low-cost solution.
- Monitoring Production Logs on Datadog and posting the issues on the concern channel.
- Installed, configured, and integrated Maven with Jenkins.
- Build and deployment in various environments (dev, qat, demo etc.)
- Code Analysis Purpose Configured SONAR and integrated it with Jenkins.
- Code Security Purpose Configured Cobertura Plugin and integrated it with Jenkins.
- Configured Continuous Integration and Continuous Deployment (CI/CD) Jenkins to deploy the generated artifacts to QA Environment Severs.

AWS DevOps Engineer

- Writing Terraform modules to create cloud infrastructure.
- Importing existing infra to Terraform for easy update and maintenance
- Used Ansible to automate the Master and Agent configuration setup and maintenance. Writing Ansible- Playbooks and applying to the YML scripts.
- EBS Volumes, EIPs, Snapshots, AMI's. Creating AMI images from existing instances and copying them to different regions / availability zones.
- Docker –creating new containers, mounting, and starting services. Creating the Docker images with help of Docker file.
- Creating the Docker container with help of Docker-Compose file.
- Inside the Docker, Clustering, and scheduling purpose to use Docker-Swarm. Troubleshooting – works with dev team on various build and other issues and resolving them. Basic TFS administration and source code management.
- TFS –Adding new-users and providing permissions. Labelling of TFS code after each sprint end.
- Cloned the TFS code to GIT using TFS-GIT tool. Providing folder level permissions using chmod command.
- Managed and monitored the server and network infrastructure using Nagios.

Bluefield Technologies Pvt Ltd. Bengaluru, KA   **March 2019 – June 2022**
Client & Project: Tech Mahindra & Direct line Group, UK
DevOps Engineer

Environment: AWS(Linux) with Dockers, Jenkins, Maven, Git, Ansible, Apache/tomcat, Nginx.

Overview: Direct Line Group is one of the UK's largest insurance companies and home to some of the best-known brands including Direct Line, Churchill, and Green Flag. Direct Line is an insurance company based in Bromley, England. Founded in 1985, as the country's first direct car insurance company, it has since expanded to offer a range of general insurance products. The regulated subsidiary UK Insurance Limited underwrites its policies, and it is owned by the Direct Line Group.

Roles and responsibilities:
- Configured Git with Jenkins too and scheduled jobs using POLL SCM option, Webhooks.
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
- Creating AWS IAM users and assigning roles to them.
- Adding IAM users to Groups to provide cross account switch role access.
- Configuring MFA to the users and set/reset password to the users.
- Monitoring Production Logs on Datadog and posting the issues on the concern channel.
- Creating AWS infrastructure as per the ticket, deploying the applications as well as checking the health checks regularly.
- Automating Build and Deployment process using Jenkins job.
- Importing existing infra to Terraform for easy update and maintenance.
- Analyze and resolve conflicts related to merging of source code for GIT.
- Responsible for Development, QA, UAT Builds and Releases.
- Configured nodes/slaves for Jenkins to optimize for smooth running of build jobs.

AWS DevOps Engineer

- Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds and automated the deployment on the application servers using the "code deploy" plugin for Jenkins.
- Working on patching and updating tasks on all Dev and QA servers
- Developed build and deployment scripts using Maven as build tools to move from one environment to other environments.
- Configured Maven and Jenkins to deploy the generated artifacts to Artifactory.
- After completing the script's development and process setup, execute the builds and deployments to all above environments based on weekly scheduled build calendar.
- Integrated GIT into Jenkins to automate the code check-out process.
- Developed and implemented Software Release Management strategies for various applications according to the agile process.
- Setting up the Pre-Prod environment for Production Releases.
- Involving in Cost Optimization tasks and billing reductions.
- Creating AWS support cases to resolve any issues which need to be fixed by AWS.
- Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the full process.
- Perform periodic system audits on all environments to ensure that only controlled versions of software reside all environments.
- Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
- Managed Maven project dependencies by creating parent-child relationships between projects.

EDUCATIONAL QUALIFICATION:

- B. Tech from PBR VITS, Kavali affiliated to JNTUA 2014 – 2018

DECLARATION:

I feel that working and serving in your organization will fulfil my cherished goals. I hereby declare that the above information is true to the best of my knowledge.

Place: Mumbai   VAMSI KRISHNA KONIDALA