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**Professional Summary:**

* Over 6 years of experience in IT industry with **Build/Release Management CI/CD**, Configuration Management Containerization, Orchestration &**AWS**, Azure operations Production in cross platform environments.
* Experience in **Azure** with services like **App Services, VMs, VNets, NSGs, Azure SQL, Service Bus, Service Fabric clusters, Redis, Kubernetes**, etc.
* Experience in **automated deployment (terraform, AWS CloudFormation),** and serverless architecture **AWS Lambda and other AWS services**.
* Hands on **PowerShell** scripting experience.
* Building infrastructure-as-code with **Terraform** or **AWS CloudFormation.**
* Able to create scripts for system administration and **AWS** using languages such as BASH and Python.
* Wrote Custom **PowerShell** scripts and embedding them in Octopus for automating code deployments.
* Experience in automated pipeline methodologies and **CI/CD** tool chain (GIT, Maven and Jenkins)
* Experience with Container orchestration using **Kubernetes and Docker**
* Experience with one or more public cloud platforms **AWS and Azure**
* Excellent listening, verbal, and written communications skills
* Interpersonal skills with the ability to work with various levels of management and external vendors.

**Education& Certification:**

* **AWS Certified Solutions Architect Associate Level**
* **PMBA,** University of Campbellsville, KY, July 2021
* **Master of Science,** University of Wilmington, DE, January 2015 – March 2016
* **Bachelor of Technology**, KLUniversity, Andhra Pradesh, India, August 2010 – May 2014

**Professional Experience**

**State Farm**

**Chicago, August 2020 – Till date**

**AWS / DevOps Engineer:**

* Developed and implemented Software Release Management strategies for various applications in an agile environment.
* Administering CI/CD infrastructure and performing planned maintenance updates to ensure we are updated to the latest versions.
* Maintained and administered GIT source code repository in Gitlab.
* **Terraform** templates to automate deployments to **AWS.**
* Created multiple Terraform modules to manage configurations, applications.
* Implemented a Continuous Delivery pipeline with Docker, Gitlab.
* Involved in designing and deploying multitude applications utilizing **AWS** stack: EMR, security groups, EC2, S3, Dynamo DB, SNS, SQS, IAM, LAMBDA.
* Managed IAM policies, providing access to different AWS resources, design and refine the workflows used to grant access.
* Verifying stability, interoperability, scalability of the system architecture and ensure it meets both quality and performance requirements
* Integrated **AWS Dynamo DB** using **AWS Lambda** to store the values the items and backup the Dynamo DB streams.
* Monitor the applications and the infrastructure and take corrective actions accordingly.
* Building infrastructure-as-code with **Terraform** or **AWS CloudFormation.**
* Implementing Network and Security policies to only allow secure connections into the cloud environments.
* Management and Administration of AWS Services CLI, EC2, VPC, S3, Route 53, CloudWatch, triggers, CloudWatch event rules, cron schedules, IAM.
* Experience in setting up Build and Deployment automation for Terraform scripts using gitlab.
* Created multiple Terraform modules to manage configurations, applications.
* Worked on **AWS** lambdas, Glue ETL and Glue crawlers for data ingestion projects.
* Developed applications and methods with Python for ETL, writing and reviewing code for server-side Python applications.
* Used Athena query for validation and end to end testing of data.
* Innovated and demo the setup of AWS sagemaker notebooks interfaced with glue development endpoints for the quick development to meet the aggressive timelines.
* Automated fashion of lambdas for the creation of glue development endpoints with sagemaker notebooks for the cost reduction.
* Used HPSM and Service-Now tool for managing incidents and change request tickets.
* Worked on setting up HPSM (HP Service Manager) and ServiceNow ticketing tool integrated with lambdas and customization of SNS notification messages.
* Efficiently collaborated within and across agile teams to maximize productivity.
* Developed technical documentation, architecture diagrams, and similar.

**Marsh & McLennan Companies**

**Hoboken, NJ, September 2017 – July 2020**

**AWS / DevOps Engineer:**

* Experience in taking multiple applications into the production. Worked as a cross functional team member.
* Responsible for effective provisioning, configuration, operation, and maintenance of systems hardware and software and overall infrastructure.
* Create and maintain automated scripts that will deploy, configure, and test applications. Maintain an on-call schedule to support automation tools.
* Working closely with several teams for timely **delivery** of applications.
* Experience in Azure with services like App Services, VMs, VNets, NSGs, Azure SQL, Service Bus, Service Fabric clusters, Redis, Kubernetes, etc.
* Using **Octopus deploy** as the deployment tool for various deployments into various cloud services such as **Azure, AWS.**
* Writing Custom **PowerShell** scripts and embedding them in Octopus for automating code deployments.
* Writing custom **step templates** for the Octopus which can be used across several projects with necessary parameters.
* Administering CI/CD infrastructure and performing planned maintenance updates to ensure we are updated to the latest versions and controlling access to different teams via **AD**.
* Writing Custom ARM templates to automate the deployment of the infrastructure into **Azure**.
* Migrating from ARM templates to **Terraform** templates to automate deployments to both **Azure and AWS.**
* Integrated **Terraform** into the CI/CD to automate infrastructure deployment into the code deployments.
* Worked on container systems like **Docker** and container orchestration like **Azure Container Service**, **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling, and management of Docker Containers.
* Wrote the Ansible playbooks to automate the infrastructure and deploy the applications onto the Linux Servers.
* Experienced in working with multiple version control system includes GIT, Bit Bucket and JFrog Artifactory.
* Involved in designing and deploying multitude applications utilizing almost all the **AWS**stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM, LAMBDA) focusing on high-availability, fault tolerance, and auto-scaling.
* Verifying stability, interoperability, scalability of the system architecture and ensure it meets both quality and performance requirements.
* Migration of the in-house infrastructure into the cloud which can ensure it can serve the increased traffic while lowering the costs.
* Writing ARM templates to automate deploying environments as part of Infrastructure as code.
* Integrated **AWS Dynamo DB** using **AWS Lambda** to store the values the items and backup the Dynamo DB streams.
* Troubleshoot any issues related to Network and Security policies.
* Monitor the applications and the infrastructure and take corrective actions accordingly.
* Building infrastructure-as-code with Terraform or **AWS CloudFormation.**
* Implementing Network and Security policies to only allow secure connections into the cloud environments.
* Supported and created documentation to transition development teams to ensure smooth migration. Management and Administration of AWS Services CLI, EC2, VPC, S3, ELB Glacier, Route 53, CloudTrail, IAM, and Trusted Advisor services.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of **AWS IAM.**
* Experience in setting up Build and Deployment automation for Terraform scripts using Jenkins.

**Cisco Systems**

**San Jose, CA, June 2016 – August 2017**

**AWS / DevOps Engineer:**

* Developing pipelines to automate infrastructure and code deployment to help facilitate delivering the projects faster.
* Developing scripts to automate build and configuration of the infrastructure.
* Analyzing the existing pipelines and tuning, if necessary, to ensure maximum performance of a given job.
* Installed, maintained, upgraded and troubleshooted the cloud-based solutions, including but not limited to enterprise-level **AWS** services such as EC2, S3, LAMBDA etc.
* Created the infrastructure and deployed the applications on **AWS** by using Create AMI and Deploy AMI model.
* Configuring **Sitecore** IIS sites and automating **Web** and **SQL** deployments.
* Administrating SQL server infrastructure and performing routine maintenance.
* Validating the infrastructure requirements and ensure they meet company’s Network and Security policies.
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Able to create scripts for system administration and **AWS** using languages such as **BASH and Python**.
* Train system users in system operation or maintenance.
* SQL installation and configuration and writing **T-SQL** scripts for administrations, user management, backup and restores.
* Worked on continuous integration using Jenkins, log collection, and analysis, version control systems like GitHub or SVN.
* Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
* Providing technical support to other teams for the deployment and configuration.
* Document technical specifications or requirements.