AWS ENGINEER

Experience

AWS Engineer , 06/2017 to 12/2018

Cognizant Technology Solutions – Ashburn , VA

- Pr ofessional Exper ience: AWS Ar chitect 12/2018 - Pr esent Par tner ship for Supply Chain Management, Ar lington VA Developed and leveraged baseline and custom guardrails, policies, centralized policy enforcement, tagging policies and a well architected multi account environment.
- Implemented Machine Image Pipeline and integrated Patch Management Migrated legacy applications to AWS cloud environment Leveraged Docker to build, test and deploy applications in different environments.
- Developed LLDs for migrating various applications including network sizing, Instance types, names, tags etc.
- Developed required and optional tagging reference document for automation, compliance and consolidated billing Developed baseline VPC and Network design including leveraging VPN connectivity and Direct Connect Developed baseline AWS account security, implemented/integrated end-point protection, vulnerability scanning and intelligent threat detection Built serverless architecture with Lambda integrated with SNS, Cloudwatch logs and other AWS services.
- Leveraged automated DevOps tools deployment and Blue-green deployment patterns and strategies Configured CI/CD Pipelines using Jenkins connected to Github and build environments (Dev, stage & Prod) Implemented IAM best practices and role based access control Implemented AWS Organization to centrally manage multiple AWS accounts including consolidated billing and policy based restrictions Implemented Control Tower Preventive and Detective guardrails and leveraged Account Factory, integrated with Lambda for new AWS account creation and setup.
- Setup Ansible control and slave nodes and developed playbooks to automation configuration of servers across environments.
- Managed provisioning of AWS infrastructures using CloudFormation and Terraform Design for high availability and business continuity using self healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Auto Scaling and other disaster recovery models.
- Created patch management using Systems Manager automation for multi-region and multi account execution Implemented preventive guardrails using Service Control Policies (SCPs) Implemented detective guardrails using Cloud Custodian policies and AWS config Designed and implemented for elasticity and scalability using ElastiCache, CloudFront - Edge locations, RDS (read replicas, instance sizes) etc Implemented security best practices in AWS including multi factor authentication, access key rotation, encryption using KMS, firewalls-security groups and NACLs, S3 bucket policies and ACLs, mitigating DDOS attacks etc Implemented Jenkins, GitHub and Git for version control, code build, testing and release and CI/CD.
- Monitored end-to-end infrastructure using CloudWatch and SNS for notification Used AWS system manager to automate operational tasks across AWS resources Project Management -AWS Infra design & application migration Used System Manager to automate operational tasks across WK AWS infrastructure.
- Setup AWS Single Sign On (SSO) for on premise Active Director (AD) Built kinesis dashboards and applications that react to incoming data using AWS provided SDKs; and exported data from kinesis to other AWS services including EMR for analytics, S3 for storage, Redshift for big data and Lambda for event driven actions Developed and documented security guardrails for AWS Cloud environments Built custom images though docker server, docker compose with multiple local containers and created production grade workflows and a continuous application workflow for multiple images Implemented multiple container deployments to AWS and maintained sets of containers with deployments Setup, Configured, and used Ad Hoc ansible Commands.

AWS Engineer , 01/2017 to 06/2017

Cognizant Technology Solutions – Auburn Hills , MI

- Designed secured, cost optimized, highly available and fault tolerant infrastructure in AWS Architected and configured Dev/Stage/QA environments in AWS (VPC, subnets, security groups, EC2 instances, load balancer, RDS, Redis, Route53,etc) Implemented security best practices in AWS including multi factor authentication, access key rotation, role based permissions, enforced strong password policy, configured security groups and NACLs, S3 bucket policies and ACLs,etc Optimized cost through reserved instances, selection and changing of EC2 instance types based on resource need, S3 storage classes and S3 lifecycle policies, leveraging Autoscaling etc Leveraged EC2 CreateSnapshot API call to create snapshots of EBS Volumes on scheduled intervals Configured CloudWatch alarm rules for operational and performance metrics for our AWS resources and applications Setup and configured logs files for detail monitoring and alerts notification when changes are made.
- Monitoring from end-to-end view of runtime systems CPU, bandwidth, disk space and log files using NewRelic Deployed and configured infrastructure using Cloudformation and Ansible Architected and implemented continuous integration and deployment pipelines using Jenkins and other CI Implemented identity federation using freeIPA to enable users to seamlessly connect to multiple services Linux Administr ative 04/2014- 06/2016 Nexxtel, Douala, Camer oon Designed, deployed and clustered High Availability servers on Vmware Exsi using vSphere Client Performed applications installation, upgrades/patches, troubleshooting, maintenance, and monitoring Linux servers Installation, configuration and administration of Enterprise Linux Created, managed and administered user accounts security and ssh passwordless login Network configuration & troubleshoot issues with respect to network and configuration files Configuring Apache, NFS, FTP, SMB and Autofs Create users, groups and give permissions on bear metal servers Task automation, service management and application deployment using Ansible and Jenkins Build and configured Linux servers from scratch with type one hypervisors for virtualization and network components Perform security setup, networking, system backup and patching for both AWS, and on-premise environments.
- Architect high availability environment with auto scaling & Elastic Load Balancer Securely deploy MySQL Primary DB and its read replica in private subnet with multi AZ for disaster recovery and best practice Migration of high availability webservers and databases to AWS EC2 and RDS with minimum or no downtime VPC build with Private and Public Subnet couple with VPNs setup back to on premise datacenter and cooperate offices VPC peering with other Accounts allowing access and routing to service and users of separate account to

communicate.

- SSL setup for Apache and Nginx application couple with AWS ELB SSL for all http to https thereby maximizing security Network, CPU, Disk and connectivity monitoring with CloudWatch and setup to trigger alarm and notify system administrators Aide setup for and configured for logs files detail monitoring and alerts notification when changes are made.
- Performed root-cause analysis of recurring issues, system backup, and security setup Security groups configured and locked down to the various authorized subnet and ip addresses in AWS Automated deployment, configuration and security settings using Ansible Experienced in Github (cloning a Git repository, creating a branch, pushing to Git from local, making a PR, etc) Architected and implemented continuous integration and deployment pipelines using Jenkins and other CI.

Work History
AWS Engineer , 06/2017 to 12/2018
Company Name â€" City , State

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Education
AWS Certified Solutions Architect - Associate : 03/2020
Bachelor of Science : Computer Science and Maths , 06/2016
Summary

Skype ID:Kelly Njohjam Summar y of Qualifications: A self-motivated AWS Engineer offering about 5 years of experience in enterprise environments with proficiency in cloud orchestration, security, identity & access management, monitoring and event management, governance & compliance, application delivery, data protection, image and patch management, self service in AWS platform.

Highlights

- Active Directory, MySQL
- AD, Enterprise
- Apache, Network design
- API, NFS
- Ar, Network
- Architect, Networking
- Automate, DB
- Automation, Policies
- Backup, PR
- Bash, Project Management
- Big data, Python
- Billing, QA
- Budgets, Read
- Catalog, Routing
- CD, Scaling
- Config, Scanning
- CPU, Ssh
- Encryption, Servers
- Client, SSL

- Version control, Supply Chain Management
- Databases, Troubleshoot
- Disaster, Troubleshooting
- Rrecovery, Type
- Edge, Upgrades
- Event Management, View
- Firewalls, VPN
- Firewall, Workflow
- FTP
- Http
- Hub
- Image
- Inspector
- Ip
- JSON
- Linux
- Director
- Access
- Windows
- Window
- Migration

Skills

- Active Directory, AD, Apache, API, Ar, Architect, automate, Automation, backup, Bash, big data, billing, Budgets, Catalog, CD, Config, CPU, encryption, Client, version control, databases, disaster
- Rrecovery, Edge, Event Management, firewalls, Firewall, FTP, http, Hub, Image, Inspector, ip, JSON, Linux, Director, Access, Windows, Window, Migration, MySQL, Enterprise, Network design, NFS, Network, networking, DB, Policies, PR, Project Management, Python, QA, read, routing, scaling, scanning, ssh, servers, SSL, Supply Chain Management, troubleshoot, troubleshooting, type, upgrades, view, VPN, workflow

Additional Information

- Cloud Or chestr ation/Automation: AWS CloudFormation, Terraform, AWS Lambda, AWS Systems Manager, AWS SSM Parameter Store, Ansible, Docker ,AWS Secur ity: AWS Security Hub, AWS Guard Duty, AWS Shield, AWS Firewall Manager, AWS Inspector, AWS SSM Maintanance Window etc Monitor ing & Event Management: AWS CloudWatch (Events & Logs), AWS SNS, AWS S3 Identity & Access Management: AWS Organization, AWS IAM, AWS AD Connector, Active Directory, AWS Workspaces, AWS Secrets Manager, etc Gover nance & Compliance: AWS Config Rules, AWS Organization, AWS Control Tower, AWS Trusted Advisor, AWS Well Architected Tool, AWS Budgets, AWS License Manager, etc Pr ogr amming Languages: Bash, JSON, YML, Python Application Deliver y: Jira, Confluence, Jenkins, Bitbucket, AWS Code Pipeline, AWS Code Commit Data Pr otection: AWS Certificate Manager, AWS KMS, Snapshot Lifecyle Manager, AWS Cloud HSM, Self Ser vice: Service Catalog Networ k: VPC, VGW, TGW, CGW, IGW, NGW etc Image & Patch: AWS SSM Patch Manager, AWS Golden AMI Pipeline Oper ating Systems: Linux and

Windows. AWS Platfor m: AWS CloudFormation, AWS Lambda, AWS Systems Manager, S3, VPC, EC2, ELB, RDS, SNS, SQS, SES, Route53, CloudFront, Service Catalog, AWS Auto Scaling, Trusted Advisor, CloudWatch etc