**DAMILARE SOLOMON WILLIAMS**

**AWS Solutions Architect/Cloud/DevOps Engineer**

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**SUMMARY**

AWS Solutions Architect/Cloud/DevOps Engineer with a penchant for designing architectures that uphold the entire pillars of the cloud Architectural Framework. I possess good knowledge in Linux, Docker, Programming and DevOps methodologies. I love automation so I can enjoy more productive time while the machines take over. I have over 5 years of experience working in various web and cloud technologies. Also, I have been involved in numerous server and data migration projects. Currently working in Python/Terraform/Salt/ElastiSearch/Graphana/Nomad/Consul/Vault/HAProxy/OpenStack/Redis.

**Professional Skills**

* **AWS Platform**: EC2, S3 Storage Service, VPCs, VPN, AWS Autoscaling, ELB, AWS Lambda, DNS using Route53, AWS CloudFormation, AWS CloudWatch, AWS CloudFront, and AWS Inspector
* **Identity & Access Management:** AWS SNS, AWS Organization, AWS Secrets Manager, etc.
* **Monitoring & Event Management**: AWS SNS, AWS Config, AWS CloudWatch,
* **Cloud Orchestrations:** AWS CloudFormation, Terraform, AWS Lambda, Ansible, AWS Systems Manager, Docker, Kubernetes.
* **Image & Patch**: AWS SSM Patch Manager, AWS Golden AMI Pipeline
* **Database**: MySQL, DynamoDB and Amazon Aurora.
* **Data Protection**: Snapshot Lifecycle Manager, AWS Golden AMI Pipeline, etc.
* Security: AWS Guard Duty, AWS Inspector, AWS WAF
* **Self Service**: Service Catalog
* **Application Delivery**: GitHub, AWS CodePipeline, Jenkins, AWS Code Deploy, AWS Code Commit.
* **Governance and Compliance**: AWS Organization, AWS Trusted Advisor, AWS Config, Rules, AWS Well Architected Tool, AWS Budgets, etc.
* **Programming Languages:** Python,

**CAREER HIGHLIGHTS**

**American Communications Solutions**  Nov 2020 – Present

Cloud/DevOps Engineer

**Main Duties**

* Built functional CI/CD Pipelines for agile product delivery and reduced the cost to the company by 30% using AWS, Terraform, Jenkins and Nexus.
* Commissioned and tested 20+ automation workflows for infrastructure provisioning, security, and product releases using tools like ansible and Rundeck
* Engineered monitoring and alerting tools to increase the triaging rate by 80% using Newrelic and PagerDuty
* Revised the product architecture to maintain the application downtime rate below 0.01%
* Defined metrics and analyzed systems performance to draw insights and fasten decision-making different analytical tools
* Automated device policy backup process of the organization using PowerShell, JavaScript, Node js, and SQL to reduce the manual effort by 10 hours each week. Deployed it on AWS
* Created microservices to manage software licenses using JavaScript, Node js and SQL. Service helped improve the security of the organization by reducing the license revoking time by 7 days to less than one day and reducing cost by 20%. This system would automatically email stakeholders for renewing and revoke assigned licenses from churned employees
* Interact with customers, get their functional and nonfunctional requirements, and come up with a SDD (Solution Definition Document); further determine a low-level design to best suit customer’s needs.
* Designed secure, 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, route53, etc.).
* Configured S3 events to set up automated communication between S3 and other AWS services.
* Selected appropriate AWS services to design and deploy an application based on given requirement Implemented and automated security controls, governance process and compliance validation.
* Implemented AWS Organization to centrally manage multiple AWS accounts including consolidated billing and policy- based restrictions.
* Developed baseline AWS account security, implemented/integrated end-point protection, vulnerability scanning and intelligent threat detection.
* Implemented Control Tower Preventive and Detective guardrails and leveraged Account Factory, integrated with Lambda for new AWS account creation and setup.
* Developing terraform modules and CloudFormation templates to provision infrastructure in cloud.
* Automatically remediated Trusted Advisor findings using Amazon CloudWatch events and AWS Lambda.
* Worked on designs/development aspects of migration journey from access to mobilize and to migration phase including leveraging CART, MRA, ADS, Migration Evaluator, DMS, Cloud Endure etc.
* Selected appropriate AWS services to design and deploy an application based on given requirement Implemented Machine Image Pipeline and integrated Patch Management.
* Developed and leveraged baseline custom guardrails, policies, centralized policy enforcement, tagging policies and a well architected multi account environment.
* Built high-performing, resilient, and efficient infrastructure for customer applications, and performed reviews for architecture and infra builds.
* Developing continuous integration and continuous deployment to standardizing the infrastructure and automate the DevOps processes, allowing customers to rapidly build, test and release code while minimizing errors.

**American Communications Solutions** **May 2018 – Feb 2020**

*Cloud/DevOps Engineer*

**Main Duties**

* Configured CloudWatch alarm rules for operational and performance metrics for AWS resources and applications.
* Build VPC with Private and Public Subnets coupled with VPNs setup back to on-premises datacenter and corporate offices.
* VPC peering with other accounts allowing access and routing to service and users of separate accounts to communicate.
* Leveraged Auto scaling groups to right-size EC2 pools to match the level of demand and helped to manage costs by eliminating excess capacity to maintain optimal level of resources.
* Managed provisioning of AWS infrastructures using CloudFormation
* Creating and deleting user accounts, enforce security and compliance rules to regarding passwords and access to computer systems.
* Created patch management using Systems Manager automation for multi-region and multi account execution.
* Deployed and configured infrastructure using Terraform and Ansible.
* Used AWS system manager to automate operational tasks across AWS resources.
* Implemented preventive guardrails using Service Control Policies (SCPs) and detective guardrails using Cloud Custodian policies and AWS config.
* 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.
* Monitored end-to-end infrastructure using CloudWatch and SNS for notification.
* Used System Manager to automate operational tasks across AWS infrastructure.
* Setup AWS Single Sign On (SSO) for on premise Active Directory (AD).
* Architected and configured Dev/Stage/QA environments in AWS (VPC, subnets, security groups, EC2 instances, load balancer, RDS, 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 Auto Scaling.
* Configured CloudWatch alarm rules for operational and performance metrics for our AWS resources and applications.
* Architected and implemented continuous integration and deployment pipelines using Jenkins.
* Setup and configured logs files for detail monitoring and alerts notification when changes are made.
* Designing for high availability and business continuity using self-healing-based architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Autoscaling and other disaster recovery models.
* Working closely with customers, internal staffs, and other stakeholders to determine planning, implementation, and integration of system-oriented projects.

**Nordia inc. Toronto Canada***- (May 2017 – Feb 2018)*

*Solutions Architect*

**Main Duties**

* Responsible for architecting, designing, implementing, and supporting of cloud-based infrastructure and its solutions.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
* Managed and maintained Amazon Web Services (AWS) infrastructure with automation and orchestration tools such as Puppet and Ansible.
* Improved Infrastructure deployment time by over 50% by using infrastructure as code tools such as terraform and cloud formation.
* Created and managed user accounts, log management, shared folders, reporting, group policy restrictions and so on.
* Built serverless architecture with Lambda integrated with SNS, CloudWatch logs and other AWS services.
* Developed and documented security guardrails for AWS Cloud environments.
* Leveraged EC2, Create Snapshot API call to create snapshots of EBS Volumes on scheduled intervals.
* Monitored Network connectivity with CloudWatch and setup Lambda to trigger alarm and notify system administrators.
* Designed secured, cost optimized, highly available and fault tolerant infrastructure in AWS.
* 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.

**Nordia Nanaimo, BC** *(Aug 2015 - December 2016)*

*Onboarding Manager (Cloud Migration project)*

**Main Duties**

* Demonstrated knowledge by providing best practices on ensuring standards are created across deployments.
* Facilitated Trainings for Various departments responsible for the transitioning of the company into the cloud environment
* Facilitated numbers Cloud Readiness meetings between Stakeholders and Clients
* Participated in the recruitment phases of onboarding Cloud professional into the company
* Completed Training for current employees to acclimatize them with the cloud environment
* Completed Morning Huddles & Abay Workbook
* Supervised and coordinated through visible and approachable leadership, the activities of the engineers
* Actively pursued a Team environment focused on the achievement of daily, high quality and high-performance goals.
* Achieved completed and seamless transitioning of company infrastructure to the cloud.

**EDUCATION**

* **Masters,** Business administration- Ladoke Akintola University of Technology – Oyo, Nigeria (July 2018- June 2022
* **Post Graduate Diploma, Fisheries -** Vancouver Island University – Nanaimo, British Columbia (January 2015 - December 2016)
* **Bachelor of Technology,** Agronomy - Ladoke Akintola University of Technology – Oyo, Nigeria (2008-2013)
* **Certifications:**

AWS Solutions Architect (Associate)

AWS DevOps Engineer (Professional)

**REFERENCES**

**Available Upon Request**