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| **CHINENYE GENEVIEVE ONYEMA** | |
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| **OBJECTIVE** | |
| Enthusiastic and detail-oriented entry-level Software Engineer with a strong foundation in C and Python programming languages. Eager to contribute to dynamic projects and collaborate with cross-functional teams to deliver high-quality software solutions. | |
| **SKILLS** | |
| * Data Structures and Algorithms * Software Engineering Principles * Database Management Systems * Object-Oriented Programming * Operating Systems * Containerization | * Programming Languages: C, Python * Web Technologies: HTML, CSS * Version Control: Git * Database Management: MySQL * Operating Systems: Windows, Linux * Problem Solving and Algorithm Design |
| **WORK EXPERIENCE** | |
| **GOOGLE AFRICA CLOUD ENGINEER INTERN September-December 2022**   * Created an auto mode and custom VPC network (with private and public subnets,routes, natgateway, firewall rule) and virtual machine instances and explored the connectivity. * Deployed a PHP web application server on a virtual machine and configured the application to use the CloudSQL database and also to reference an image stored on cloud storage bucket. * Used the Google cloud marketplace to deploy a Bitnami LAMP stack on a compute engine instance. * Created a Google kubernetes engine cluster and deployed containers on it with each containing a web server. * Enabled Cloud Run API to deploy a nodejs application on a serverless stateless container. Containerized the application and uploaded to container registry (artifact registry) and deployed the containerized application to cloud run. * Automated the deployment of google infrastructure using Terraform (a VPC and Virtual machines).   **ALX-UDACITY CLOUD-DEVOPS INTERN May – August 2022**   * Provisioned a Static website (a travel blog) with Amazon Cloudfront and S3. * Automated cloud deployment using cloudformation to deploy a highly available web app which includes iam, vpc, S3, load balancer, auto scaling group of EC2 instances. * Developed and maintained automated CI/CD pipeline for code deployment using CircleCi. * Managed the configuration of these servers using Ansible. * Monitor logs from servers using Prometheus. * Configured and provisioned micro-services and instances on both a minikube and on AWS ECS. * Orchestrated Docker container structure using Kubernetes.   **ITERN CLOUD SOLUTIONS ARCHITECT INTERN July – December 2021**  PROJECTS:   * Provisioned a highly available EC2 Instances with LAMP Stack for PHP. * Experienced in designing and deploying AWS solutions using EC2, S3, EBS, ELB, Auto Scaling groups. * Created RDS (MYSQL, Postgres, Aurora) engine for relational database and Dynamodb table for non-relational database and connected them each to an ec2 instance application. * Created Route 53 DNS entry for domain name resolution. * Created and managed S3 buckets, configured Virtual Private Cloud (VPC) with both public and private subnets, NAT gateways, route tables and Elastic Load Balancers. * Implemented roles and groups for users and resources using AWS Identity Access Management (IAM) and also managed network security using Security Groups, and IAM. * Wrote AWS Cloud Formation templates to create custom-sized VPC, subnets, NAT to ensure successful deployment of applications. * Provided a highly durable and available data by using S3 data store, versioning and lifecycle policies. * Utilized Cloud Watch to monitor resources such as EC2, Amazon RDS DB services, Dynamo DB tables, to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system. | |
| **EDUCATION** | |
| **B.SC Mathematics & Statistics 2014**  Caritas University Amorji Nike Enugu, Enugu state. 4.2 | |
| **CERTIFICATION** | |
| AWS Cloud Solutions Architect Associate 2023  AWS Cloud Practitioner 2022  Cloud DevOps Engineer Udacity 2022  Introduction to Python 2022 | |

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