PAUL FATOKI

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Summary

A self-motivated and dynamic Cloud DevOps Engineer, SRE, Cloud Solutions Architect and Systems Engineer (Linux/Unix/Windows) with over 14 years' I.T experience in Configuration Management Process, Application Support/Design, Application Deployment, Security & Compliance, Orchestration of related I.T infrastructure, Performance/Fault Monitoring, Upgrading, Patching and Maintenance of Systems Hardware, Software and related company I.T infrastructure alongside interfacing with users to determine support needs. Strong technical and analytical skillset systems in a Cloud and Virtual environments. Able to work with technicians from various engineering disciplines to troubleshoot complex system architecture issues to ensure that the uptime, performance, resources, and security of the system meets the needs of the end users and clients. Hands-on experience supporting, automating, optimizing mission critical deployments in AWS, leveraging configuration management, building CI/CD pipelines, and managing cutting-edge deployment automation of DevOps processes and cloud resources.

Technical Skills

Cloud & SaaS Platforms: Amazon and Google Web Services, Salesforce.com, ServiceNow, Configuration management using Puppet, Ansible, and Chef, Terraform, Knowledge of Python, C/C++, and Java, Version control systems: Git, Perforce and Bitbucket, Troubleshooting of Linux & Windows Operating System, VIO Administration, VMware, Oracle Virtual Box, Web Services (IIS, Apache, MySQL, PHP, Nginx), Zenoss, Nagios, Check-MK, Splunk Master and Heavy Forwarders, AppDynamics, Dynatrace, Networking, Middleware, Admin UI for Back Office Configurations, Nodejs, Eclipse, Selenium, Load Runner, Visual Studio Code, Spacewalk, CICD and Monitoring Tools.

Experience

Xandria Staffing Inc | Atlanta, GA
Cloud DevOps & Site Reliability Engineer / Multi Cloud Consultant Lead
11/2022 - Current

- Experience in building AWS, GCP and Azure Kubernetes Clusters from scratch using HashiCorp's Terraform as infrastructure as code, as well as building docker images with custom Dockerfile for different application frameworks.
- Experience in configuring Kubernetes Container Network Interface (CNI) for Pod to Pod communications within the cluster, Kubernetes Ingress Controllers, Ingress Rules to handle the inbound traffic to access services within the cluster.
- Experience in building and deploying Kubernetes Objects via helm chart by creating custom charts as well as leveraging managed charts within the helm community.
- Managed multiple Kubernetes clusters and docker containers across multiple environments and help with cluster upgrade without service downtime using pod disruption budgets, Kubernetes cordon, taint, drain to safely evict all pods from nodes before maintenance.
- Experience in working on AWS and its services like AWS IAM, VPC, EC2, ECS, EKS, EBS, RDS, S3, Lamda, ELB, Auto Scaling Group, Route 53, Cloud Front, Cloud Watch, Cloud Trail, SQS, SNS and many more.
- Experience in Cloud automation using AWS Cloud Formation templates to create custom sized VPC, Subnets, NAT, EC2 instances, ELB, Security Groups and other AWS resources.
- Experience in creating complex IAM policies, Roles and user management for delegated access within AWS.
- Experience working with API Management Platforms like Apigee, Content Delivery Networks like Akamai and Cloud Front as well as Venafi for Certificate Management.
- Setting up continuous builds and monitoring with tools like Prometheus, Grafana, Thanos, Loki, Datadog.
- Mentoring and developing senior/junior DevOps professionals on best branching strategy for SDLC process.

- Designing, improving and driving implementation of all aspects of DevOps for our clients.
- Identify re-occurring requests/issues and develop methodologies to automate and reduce ticket volume.
- Delivery - Engagements will include migration of existing applications and development of new applications using AWS cloud services.
- Expertise - Collaborate with AWS/GCP field sales, pre-sales, training and support teams to help partners and customers learn and use AWS/GCP services in key market verticals & regulated industries such as financial services, healthcare, life sciences, and energy.
- Performing builds and managing configuration on production/development/testing environments.
- Troubleshooting issues with build and configuration.
- Building Monitoring Stack with and other modernized DevOps monitoring tools.
- Advising clients on the principles and benefits of DevOps and Agile delivery.
- Helping clients realize the business benefits of DevOps.
- Working closely with Developers, Scrum and QA teams for successful product deliverables.

The Home Depot | Atlanta, GA
Cloud DevOps Engr / Site Reliability Engineer
11/2020 - 11/2022

- Run the production environment by monitoring availability and taking a holistic view of system health.
- Improve reliability and provide primary operational support for multiple large distributed software applications.
- Coordination and communication within the team and with customers.
- Selecting and deploying appropriate CI/CD tools.
- Troubleshooting CICD pipeline issues.
- Working experience deploying and configuring Hashicorp tools like Bamboo for CICD, Bitbucket for Source Code Repository Management and Vault for Secrets Management.
- Experience in managing and integrating code Quality tools like SonarQube, manage sonar rules, Quality gates and veracode scans.
- Familiar with all major Paas platforms such as Google App Engine, Openshift, Cloud foundry, CloudBees, etc.
- Proficient with container systems like Docker and container orchestration engines like Ec2 Container Service, AWS EKS, Google GKE and other public cloud container services.
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker on GCP (Google Cloud Platform) and AWS (Amazon Web Services).
- Deployed and monitored scalable infrastructure on AWS using Docker and AWS EKS Cluster.
- Strive for continuous improvement and build continuous integration, continuous development, and constant deployment pipeline (CI/CD Pipeline).
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform).
- Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Write automation scripts in Bash and Python for performance monitoring, performance tuning, notifications, pro-active monitoring etc.
- Design and implement CI/CD DevOps delivery system for the Linux teams with an innovative test framework that allows for significant reduction of capital expense requirements through equipment allocation and reuse.
- Designed, Configured, Maintained & Managed Google Cloud Virtual Datacenter Cloud computing platform with hosted Enterprise applications.
- Used Compute, Storage, Networking, other Google Cloud tools for various operations.
- Tasked with the coordination of CI/CD and DevOps teams in automating deployment of infrastructure inside Google Cloud.
- Deployed and monitored scalable infrastructure on Google cloud & configuration management using Docker and Google Kubernetes Engine (GKE).
- Performed installation and configuration of secrets management tool (Hashicorp Vault) inside Google Cloud Platform for managing the user and system credentials.
- Creating Google cloud storage (GCS) buckets, maintaining and utilizing the policy management of these buckets and used GCS coldline for storage and backup on Google cloud.

- Leveraged Cloud SDK and Google Cloud CLI to package and deploy containerized web applications on to the Google Cloud Platform and using Google Kubernetes Engine (GKE) to manage clusters and implemented autoscaling conditions to accommodate traffic variance.

Dap-Tech Inc | Atlanta, GA
DevOps/DevSecOps Engineer / SRE
08/2020 - 11/2020

- Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy application.
- Design of Cloud architectures for customers looking to migrate or develop new Paas, Iaas or hybrid solutions utilizing Microsoft Azure, Amazon Web Services or Google Cloud Platform.
- Control and management of security operations for process monitoring and incident management.
- Worked with Dynatrace SaaS and Dynatrace Self-Managed Versions to track complete end to end observability of the infrastructure and Application performance using synthetic monitoring.
- Ensure real time user experience is identified in performance environment using Dynatrace monitoring.
- Configure integration with tools like Prisma and Checkmax for container scanning during CICD deployment pipeline.
- Install and build security scanning/code quality on CICD Processes within the organization.
- Deployed and monitored scalable infrastructure on AWS using Docker and AWS EKS Cluster.
- Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
- Involved in deploying, managing and operating a 24x7 production Kubernetes clusters within AWS cloud environment.
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
- Provision Cloud Resources/Infrastructure via Terraform Enterprise and Terraform Open Source.
- Created CloudFormation template to deploy HashiCorp Vault, which centrally secures, stores, and controls access to secrets across distributed infrastructures and applications.
- Deploy a pipeline with CloudFormation to automatically test AWS CloudFormation templates from a GitHub repository which includes AWS TaskCat for testing, AWS CodePipeline for continuous integration, and AWS CodeBuild as the build service.

Tinroof Software Inc / NCR Corporation | Atlanta, GA
Cloud Solutions Architect / DevOps Engineer
03/2018 - 08/2020

- Collaboration with the IT development team for ensuring suitable translation of architectural solution into robust and effective implementation.
- Conducting architectural evaluation, analysis, and design of enterprise-wide systems.
- Monitoring systems to make sure they meet business goals as well as user requirements.
- Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
- Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform).
- Assign CPU Resources to Containers and Pods then create monitors that looks over the Kubernetes cluster to throw alerts if any pods are in a state other than running.
- Served as the single point of accountability for client satisfaction across multiple IT infrastructure projects.
- Created CloudFormation template to deploy HashiCorp Vault, which centrally secures, stores, and controls access to secrets across distributed infrastructures and applications.

- Created CloudFormation template to deploy an automated framework to migrate relational databases by using AWS Database Migration Service Automation Framework on the AWS Cloud.
- Designed and built cloud service models including Infrastructure-as-a-Service, Platform-as-a-Service, and Software-as-a-Service for 6 companies.
- Designed and executed 6 end-to-end cloud implementations for organizations in hi-tech, marketing and healthcare.
- Implemented build stage- to build the micro service and push the docker container image to the private docker registry.
- Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP (Google Cloud Platform).
- Utilized Kubernetes and Docker for the runtime environment of the CI / CD system to build, test and deploy.
- Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Migration of Unix/Linux Servers from On Premises to AWS Cloud via vMotion and AWS CLI VM Import/Export then lunch EC2 instance from Imported Image.

Optimum Tech Inc | Marietta, GA
AWS Cloud DevOps Engineer
12/2016 - 03/2018

- Responsible for architecting, designing, implementing and supporting of cloud based infrastructure and its solutions.
- Proficient in AWS services like VPC, EC2, S3, ELB, AutoScaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
- Possess good knowledge in creating and launching EC2 instances using AMI's of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
- Environment: AWS (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, CloudFormation, AWS Auto Scaling, Elastic BeanStalk), GIT, SQL, Jira, AWS CLI, Unix/Linux, Shell scripting, Jenkins, Ansible, Terraform, Nginx, Tomcat.
- Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Development of CI/CD pipelines for automated application deployment's (Pipeline as code) within Jenkinsfile hosted in Git repository.
- Utilization of Terraform for automated infrastructure deployments (AWS ELB, AWS EC2, AWS Security Groups, AWS VPC, AWS Key Pairs,AWS IAM etc).
- Installation of packages, and server configuration via an automated process/tool (Ansible).
- Configuration of Route53 for DNS solution with Terraform.
- Working with Python SDK's to perform manipulation of S3 Buckets, and objects (Creation, upload, and deletion).
- Integrating Microsoft Active Directory Federation Services and AWS with SAML for SSO.

Globacom Nigeria Limited | Nigeria
Linux/Unix Systems Engineer
- *08/2015 - 12/2016*
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- Created and managed user/group accounts, password and setting up permissions.
- Utilizes the VI editor in accessing file contents and securely modifying them to meet specific objectives.
- Configuration & mounting of NFS as well as managing SAN and NAS servers.
- Configured storage-area network (SAN) switches and implementing fabric topology for zoning and masking of the SAN Switch.
- Upgraded memory, installed patches and updates to Linux/Unix servers.

Primera Africa Finance Group | Lagos, Nigeria
Linux/Unix Systems Administrator
08/2012 - 08/2015

- Building & configuring Red hat Linux/Unix systems over the network, implementing automated tasks through crontab, resolving tickets according to the priority basis.
- Installation of Oracle Patches and Troubleshooting, Creating and modifying application related objects, Creating Profiles, Users, Roles and maintaining system security.
- Handled the Installations and Deployments of Java based Applications such as Apache Tomcat, Oracle 12c, JBOSS and other middleware software's on our development environment using Linux/Unix platform.
- Defined and Implemented CM and Release Management Processes, Policies and Procedures.
- Scripting on Linux, Unix and Windows Servers..

PRIMERA AFRICA FINANCE GROUP
Desktop Support
06/2010 - 07/2012

- Responded to requests for technical assistance in person via phone and remotely for the following technologies: Windows and Mac OS based end points (Laptops Desktops & Thin Clients), Tablets & Smartphones (IOS & Android), and Microsoft Office.
- Assisted the Help Desk Manager in supervision, training, and mentorship of student employees at the Help Desk, with a specific focus on leading the team of Desktop Support Referral student employees who also contribute to tier 2 ticket resolution.
- Continually updated personal knowledge of computing hardware operating systems and software.
- Maintained confidentiality and discretion when working with passworded or sensitive materials.

Education and Training

Enugu State University of Technology | Enugu, Nigeria
Bachelor of Engineering in Civil Engineering
10/2008
2nd Class (Upper Division)

Nigerian Institute of Information Technology (NIIT),

Kings High School, West African | Lagos, Nigeria
Senior School Certificate
01/2000

Certifications

Excellent communication, interpersonal, analytical and presentation skills. Linux Engineering Training - (2009 Certified).
AWS Certified Solutions Architect - Associate Level.