

KIZITO AYOUGU

3093 Broadway #519 Oakland CA 94611, UNITED STATES

PHONE

+1 3392162522.

EMAIL

fexokizy@gmail.com

EDUCATION

Federal University of Technology Owerri

B.Engr Mechanical engineering // 2003 – 2008

Graduate of Mechanical Engineering with Industrial and production Engineering Specialization.

12+ years on IT systems infrastructure design, web applications deployment and management

8+ years of hands-on experience supporting, automating, and optimizing critical deployments in AWS and AUZRE using configuration management tools, CI/CD practices, jenkins and other DevOps processes.

EXPERIENCE

SONY INTERACTIVE ENTERTAINMENT (PLAYSTATION)

San Francisco Ca// Senior Software Engineer 08/01/2023 till date

- Manage Jenkins infrastructure and pipelines for building games and services that run on PlayStation.
- Set up new pipelines and jobs for third-party game studios.
- Write docker files and helped docker used and deployed some custom applications to k8s cluster.
- Manage groovy libraries for running various security checks and operations on the pipelines
- Manage Cloud formation templates used for deploying AWS resources.
- Monitor and utilize custom Sony applications and services used for game production.
- Worked on Run.ai infrastructure set up and maintenance.
- Configured pipelines to spin up Jupiter notebooks with custom code and GPU settings on Kubernetes.
- Developed dockerfiles for custom training and inference workloads with dependencies like CUDA, PyTorch or tensorflow and deploy to Kubernetes.
- Monitored and managed kubeflow pipelines and training jobs
- Use kubeflow to spin up notebook inference and training jobs with various CPU/GPU settings.
- Maintained and synchronized weights and biases database when migrated from on premises to the cloud
- Maintained Kubernetes cluster running training and inference jobs. Managed the storage systems and networking.
- Use weight and biases to monitor, track and log hyper parameters
- Build, test and deploy games to PlayStation, steam, NC Soft and other game platforms in our game publishing suite.
- Work with cross platform teams to solve various pipeline infrastructure issues.
- Help investigate and fix bugs in game codes
- Implemented clause code into CICD pipelines to catch regressions through AI reviews on pull requests.
- Configured and automated their code signing tools and other anti cheat systems like easy cheat.
- Maintained AWS lambdas, servers and api gateways that runs our services.
- Deployed Sonarqube servers and configured them to scan our code base.
- Configured pipeline for fortify, coverity checks and other internal security checks implemented for safety.
- Participated in game jams and other game events organized to keep stakeholders informed.
- Developed from scratch an AI RAG application that helps with onboarding new staff members and manage documentations for various projects.
- Worked as a team with PlayStation Team6 to investigate agentic AI systems and how custom workflows can be automated through RAG, CAG, DAG.
- Worked with cross platform teams to helped develop an AI solution that help to make the use of large language models (LLM) at workplace safe. Preventing data leaks and copy right issues that maybe

Introduced by use of copy left codes generated by AI tools for private game development. This helped save the company from potential lawsuits that may grow into billions of dollars.

KFORCE/QUEST DIAGNOSTICS

Boston, Ma// Devsecops Engineer 08/09/2022// 07/07/2023

- Deploy AWS eks addons to Kubernetes cluster and run regular upgrades.
- Use Gitlab CI pipeline to deploy several healthcare applications developed by quest diagnostics and third party partners to our shared eks cluster
- Work with several third party companies developing healthcare applications to design application securities and deployment infrastructures
- Deploy containers insight to our shared eks cluster, configure it to send both applications and containers logs to cloud watch, then use AWS Kinesis firehose to ship logs to splunk
- Use terraform to deploy AWS EFS storage provider to our shared eks cluster to provide read write many capabilities to deployed healthcare applications. Configure for security and best practices.
- Document deployment process and debugging instructions in confluence
- Wrote terraform script that was used to create k8s cluster for third party clients as environments. Wrote scripts to deploy custom applications and other k8s primitives
- Assist healthcare applications developers to debug failed deployments in eks cluster and collect logs as needed
- Grant cluster access to new hires
- Monitor running applications on Dynatrace and cloud watch for errors
- Work with security team to resolve CVE vulnerabilities found in wiz.io and gitlab security scans
- Mentor junior engineers and interns while building cloud infrastructures
- Debug and promptly resolve network connectivity and load balancer issues for an application that was about to go live in production environment.
- Automate matillion code deployment for dev environment using API calls

INFOSYS/BOEING

Boston, Ma// Technology Analyst// 03/2022- 10-2022

- Deployed and upgraded confluence service to azure cloud
- Deployed mattermost to production on azure Gov cloud
- Deployed Jira service. Reconfigured login interface to display custom messages and company url for password reset
- Upgraded Postgres databases and restored some from back up
- Refactored chef based pipeline to deploy gitlab runner to production
- Write SOP Documents describing deployment process and app deployment steps for the ops team
- Investigated oms agent and Rapid 7 vulnerabilities on Rhel Linux servers and carried out recommended Os patches
- Deployed netsparker to dev environment and carried out test run. Debugged issue's
- Researched capabilities of perl plugins for Sonarqube (Sonar-Perl) and manually installed it to dev environment
- Worked with team members to migrate applications from azure commercial cloud to azure government cloud
- Used azure design templates (nested ARM templates) to create and manage various azure resources like, virtual machines, storage services like blob and file storages, key-vaults, databases and load balancers.
- Worked with team members to migrate some applications from azure to AWS cloud.

COLLABERA/ Microsoft

Boston, Ma // Devops Engineer Lead // 10/2021 – 03/2022

- Automate deployments to Azure with terraform, YAML scripts, Groovy scripts and Ansible playbooks
- Installation, administration, configuration, and support multiple games running on Xbox and other of multi-channel gaming platforms and solutions.
- Work with new game developers across the world and other Microsoft clients to deploy gaming applications like crack down and zoo tycoon to resolve nagging production issues using agile and scrum methodologies
- Work with security teams to perform security review during development and deployment of applications to production environments.
- Work closely with software engineering teams to design, develop and deliver services with high uptime and reliability
- Perform code reviews and provide feedback for improvements using code coverage tools like Sonarqube, Jacoco etc.
- Developed templates or scripts to automate everyday CI/CD operations and functions
- Create, update and manage Bash scripts in production environment, including operational scripts as well as monitoring
- Create, monitor and maintain fully automated CI/CD pipelines for code deployments using Azure Devops, Azure, AWS,
- Worked with Jenkins, Git, Github, Ansible Playbooks, Prometheus, Datadog, Kubernetes, istio and Helm
- Worked on call basis to monitor running applications and games on weekends and overnights

Insight Global/UnitedHealth

Boston, MA // Devops Engineer Cloud // 12/2020 – 12/2021

- Automate continuous integration and deployment processes using Jenkins.
- Build monitoring, supervision and resiliency mechanisms to observe, react to, and maintain platform health and performance
- Design, build, implement and support CI/CD framework on Azure Cloud
- Manage and track changes to web systems, Applications and monitoring platforms like signal Fx
- Member of the 24x7x365 on-call support team
- Perform deployments, upgrades, configurations in a controlled, pre-production and production environment with tight operating perimeters
- Help the ODX team migrate their inter-systems Iris, Cache` DB, Ensemble and other infrastructures to Azure cloud.
- Provision and refactor Terraform codes to deploy applications to Azure cloud using Jenkins.
- Help to debug issues related to HL7 messages collected by our custom applications and health care systems.

10Road Express

Boston, MA // Devops Engineer Cloud // 01/2020 – 12/2020

- Monitor and maintain logistics applications in the cloud
- Do delivery oversight and test out scanning applications for compliance
- Design, build, implement and support CI/CD framework on AWS Cloud
- created alerts and configured target groups for running applications
- Deployed a new AKS cluster to upgrade version. Installed storage drivers, secrets providers class, Prometheus and Loki
- using operators and helm charts.

EVAJELIO UBALLE/SQUADEX

- Palo Alto, CA // Devops Infrastructure Support // 01/2019 – 12/2019
- Manage web application deployments to cloud platforms using tools like Jenkins, docker and Kubernetes.
- Collaborate with other DevOps engineering teams to create and maintain frameworks running on cloud.
- Develop automation using languages like Shell scripting, Groovy, Go, Linux bash, Puppet, Ansible, Python
- Create and maintain fully automated CI/CD pipelines for code deployment, maintenance using tools such as Jenkins, Maven, Docker, Nexus, Jira, Artifactory, Slack, Tomcat, Sonarqube and Azure DevOps
- Break up monolithic applications, design and deploy micro-service architectures on Kubernetes or docker swarm clusters using distributed Agile and Scrum methodologies
- Implement version control using my extensive experience in working with version control systems such as Git, GitHub, Bitbucket, Gitlab and Azure Repo.
- Implement TDD, BDD using code quality and code coverage tools such as SonarQube, JaCoCo and JUnit to reduce defect rate up to 30% in few months of joining the team.
- Work with Devops teams to migrate on-premises architectures to cloud, removed unnecessary servers, Consolidated databases and reduced cost by more than \$3000 monthly.
- Install and configured Datadog agents to constantly monitor network bandwidth, memory usage, and hard drive status on AWS and Azure.
- Design, rolled out, and managed 5,000+ hosts on AWS with Ansible and Puppet infrastructure automation.

1845 oil filed services/Schlumberger

Weatherford, TX // Lead Field Engineer // 01/2014– 12/2018

- Manage servers and systems to collect well logs and track logistics delivery by truck drivers
- Manage Pick up of frac-sands, chemicals, frac-equipment's for safe transportation to active fracking sites.
- Participates in Loss Prevention Systems LPS Tools activities
- Perform meter proving task on oil reservoirs, PD, and Turbine meters
- Provides daily instrument test results and contributes to the completion of daily sample login responsibilities
- Familiarization and enforcement of the use of H2S meters and respiratory equipment
- Follow all safety rules and work in a challenging fracking site and terrains to produce crude oil
- Maintain blasting equipment and PPE that go along with blasting equipment
- Performs various hand sanding operations on medium to small size castings for the purpose of cleaning and surface improvement
- support Rigging/hoisting operations
- Wears gloves and helmet, or hood, to protect against breathing sand-laden air and injury to eyes and hands
- Track drivers and vehicle geolocations while maintaining web app hosted on Kubernetes clusters on AZURE

Canonical

Lagos Nigeria // Linux Systems Engineer // 01/2008 – 12/2014

- Assess server loads and work with Technical Leads on developing tuning recommendations
- Assist in server maintenance and special projects, during extended work hours
- Assist with performance testing and tuning of complex and high-traffic web applications
- Develop relationships with and work alongside other functional IT groups such as networking, database and security
- Follow the Scrum methodology, working alongside software developers and product owners
- Install software, configure servers, implement security patches, and provide overall support of cloud computing environments
- Monitor alerting systems for system failures, addressing issues as they arise
- Perform root cause analysis on hardware, software, network and operating system issues
- Resolves system, network, and hardware problems and assists users by phone and/or in person

DEVOPS SKILLS AND TRAINING

Cloud/Platforms: Azure, Active Directory,JIRA, SonarQube, Nexus, Nexus IQ,Fortify, Jenkins,Veracode, Clooudbees Jenkins, Cloudbees flow,Slack, Azure-DevOps, AWS Cloudformation, Cloudfront, Cloudrails, Rancher,Lens, Rhel Satellite, signalfx,Cloudwatch,Cloud flare, Lambda,Cloudera,Databricks,Hashicorp,Jfrog,Vault,RabitMQ,Udeploy,XLDeploy,confluence,Gitlab CI ,matillion ETL,netsparker,coverity,etc

Monitoring Tools Cloudwatch, DataDog, New Relic,Prometheus, ELK stack(Elastic search),Splunk,Isthio

Build Tools: Ant, Maven, MS Build,Gradle

SCMs Tools: Git, GitHub, Bitbucket, GitLab, Azure Repos

IAAC Tools: Ansible, Terraform,Puppette

Containers. Orchestration:Kubernetes,Helm,Pivotal cloud foundry (PCF), ECS,EKS

Application Web Servers: Tomcat,Apache,JBoss,Nginx

Operating Systems: Unix, Solaris, MacOS,Ubuntu Linux, CentOS, Debian, Amazon Linux, Red Hat Linux, Windows

Database Tools: Hands on Knowledge on SQL, MySQL, PostgreSQL,Apache Hadoop, HiveQL, Karfka, SparkSQL,MongoDB

Programming Languages: Scala, Python,groovy

Scripting Tools: Groovy, UNIX Shell Scripts (Bash),Git Bash, Putty, iTerm,Ansible,chef

Certifications: AWS certified Cloud practitioners. AWS certified Solutions Architect.