

# Joseph Akeni

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## Professional Summary

Skilled IT professional dedicated to improving the development methods used to create new software programs. Experienced with database software management, web platform development, and program testing software. Managed small groups of teams during special projects. Team-oriented worker able to collaborate with co-workers in various departments to complete projects on time.

**Core skills:** Kubernetes, AWS, Terraform, Ansible, Jenkins, Travis, Docker

## Technical Skills

- *Use of Hashicorp Terraform, Ansible and Jenkins for Docker & Kubernetes rollout*
- Solid Kubernetes experience for handling container operations and workloads.
- Experience with add ons such as Helm/Tiller, Istio, Prometheus, Webhook/OpenID Connect
- Kubernetes Federation across heterogeneous platforms AWS/Azure
- Understanding / hands-on experience with Cloud technology ( AWS)
- Automation of deployment/Continuous Integration Developed tool for real-time monitoring, reporting alert systems.

## Career Summary

### Capgemini

January 2017 – till date

Capgemini is a bluechip market and technology company providing efficiency in the daily world of business marketing. The main aim of Capgemini is to create mind-blowing experiences with its business clients and associates. Capgemini sets the standard of using its technology and people to help corporations, brands and retailers improve their marketing efficiency, making delivery smarter, faster and better.

### Role: DevOps Resource:

#### Responsibilities:

- Created and Configured Red Hat, Ubuntu, CentOS, Solaris Virtual Machines in AWS using EC2, ElasticIP, VPC, Subnets, Route Tables, NAT Gateway
- Configured SNS, SQS, RDS, DynamoDB, S3, IAM, CloudFront and ELB to setup environment ready for cloud adoption.
- Configuring of VPC and Route 53 DNS with networking of subnets containing servers.
- Creating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.

- Used GIT for source code version control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tools Maven.
- Performed Continuous Integrated delivery (CI and CD process) using Jenkins.
- Configured Cloud Watch and ELK to monitor real-time granular metrics of all the AWS Services and configured individual dashboards for each resource Agents
- Using Docker and Kubernetes to manage application containers for easy Deployment

*Environment:* AWS, GitHub, Jenkins, Puppet, Cloud Watch, Linux, EC2, S3, RDS, ELB, EBS, Cloud Formation, Puppet, Maven.

Project: Customs Declaration Service

Customs Declaration Service(CDS) platform hosting and deployment. CDS platform is used by businesses to make declaration of imported or exported goods outside the EU.

**HM Revenue and Customs**

**February 2016 – January 2017**

HM Revenue and Customs is a government agency that handles the import and excise duty thereby generating billions/Trillions of pounds for Her Majesty's government.

**Role: DevOps & QA Resource**

**Responsibilities:**

- Setup of Dev, Stage, QA and Production environments on Vanilla Kubernetes using Ansible, Terraform as the main tools
- Managed container provisioning and version on the Kubernetes platform to ensure proper version control, High availability and automatic recovery from failure
- Configured monitoring tools for proactive checks and analysis of the state of the cluster and components
- Prometheus installation and integration with Grafana and CloudWatch
- Setup Test framework on the cluster
- Kubernetes clusters upgrade, disaster recovery and security management
- Onboarding of applications ( containers), rollout and pipelines
- Responsible for day-to-day operations on the clusters

Projects: Electronic Data Capture Service(EDCS), New Computerised Transit System(NCTS), Direct Debit Instructions(DDI), Alcohol and Tobacco Warehousing Declarations(ATWD)

The HM Revenue and Customs is constantly improving ways of revenue collection and making declaration and payments easier for customers and agents. Each of the applications handles multi-billion pounds in revenue collections.

**Weatherbys Group**

**May 2015 – February 2016**

Weatherbys Group is a topnotch provider of racing services to the BHA, producer of racecard, pedigree research, printing, publishing, marketing, and ticketing services.

**Role: QA Analyst + Platform Engineer**

### **Responsibilities:**

- Setup Linux platform used for managing software for the project
- Built pipelines for application rollout and delivery
- Setup monitoring script for real-time notification and alerts
- Flashing and burning of daily Images to carry out our daily tests. Images are often built overnight depending on new features added to the current build
- Had a close team relationship with the development team, notifying them of my observation not just from a tester's point of view but also a user
- Carried out a comparative test on the Argentina Image, making sure all applications are well translated and icons are well labeled.
- Reported defects found in the Image using Trello - defect tracking tool
- Carried out regression testing on builds that have bugs fixed making sure no part of the code was broken
- Produced detailed documentation that helps track the performance of the Argentina Operating System. This helps track the load and exiting times of all applications within the Operating System
- Reported and shared all detailed documentation with my Test Lead and the rest of the team. This helps everyone stays on the same page within the project
- Organized a defect triage meeting with members of the team, checking several bugs fixed against the unfixed bugs. Deciding which of the bugs are of high priority to be included in the following sprint
- Attended a Go/No Go meeting is a key meeting every member of the team both onsite and offshore must attend. We decide if the Image build is ready for production/shipping using the DONE-DONE method.
- Attending retrospectives meetings at the end of every sprint to discuss the good, the fair and to be improved cases in our next sprint

### **Professional Training/Qualification**

- AWS Essentials
- AWS Certified Solutions Architect
- AWS Certified Cloud Practitioner
- Docker and Kubernetes Training
- ISTQB Qualified {Foundation}
- Selenium WebDriver with Java
- Software Testing, QA testing, manual Testing, SDLC
- Project Management

### **Educational History**

- MSc. Information Science(Data Analytics)
- BSc. Economics

Northumbria University  
University of Plymouth

### **Referees**

Available on request