

## Ismaila Afuwape

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### MY WEBSITE PORTFOLIO

<https://afuwapemoyo.github.io/>

### EDUCATION

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#### Humber College Institute of Technology & Advanced Learning

2 years Postgraduate in Information Technology Solutions, PGCert

#### Olabisi Onabanjo University

Bachelor of Science, BSc

Etobicoke, ON, Canada

Ago-Iwoye, NG

### COURSES

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Web Development, Data mining and Big Data, Data structure, Mobile and Cloud Computing, Network & Security, Database Design & management.

### TECHNICAL SKILLS

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|--------------------------------|--|
| • Cloud Stacks                 | Amazon Web Services, Google Cloud Service  |
| • Containers                   | Kubernetes, Docker   |
| • DevOps Tools                 | Ansible, Terraform, Prometheus, Grafana, ELK, Nexus, SonarQube   |
| • CI, Test & Build system      | Maven, Jenkins, Git  |
| • Other Technologies           | JIRA, Splunk, WebSphere, Nginx, New Relic  |
| • Operating Systems:           | Windows 7/8/XP/10,11 Linux (RHEL, CentOS, Ubuntu) Mac iOS,   |
| • Programming Languages:       | HTML5 & CSS, JavaScript, jQuery, SQL, PL/SQL, R, React JS, Node JS, Java, Python   |
| • Database & Servers:          | Oracle 9i, 10g, 11g, MS SQL Server, JDBC, Mongo DB, MySQL, Apache Tomcat/JFrog   |
| • Web Technology:              | XML, PHP, Context API, Oracle Apex   |
| • ETL/Other Tools:             | SSIS, SSRS (Microsoft Visual Studio 2019), Hadoop/Hive/HBase/MapReduce/HDFS/Pig.   |
| • Business Intelligence Tools: | Tableau Desktop and Prep Builder, Excel, SSRS  |
| • Software:                    | Visual Studio, Eclipse, NetBeans, Bracket, Data Modeler, Neo4j Desktop, SSMS, SQL Developer, R Studio, PyCharm, Visual Paradigm, Ambari, XAMPP, Oracle VM VirtualBox, VMware Workstation, Docker Desktop, Postman. |

### SUMMARY

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- Over 7 years of experience in the IT industry, and 5 years plus with supported DevOps platforms in Windows, Linux environments.
  - Worked on Public, Private and Hybrid cloud environments to meet the client requirements.
  - Proficient with container systems like Docker and container orchestration like ECS, Kubernetes, worked with Terraform.
  - Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
  - Designed and developed Cloud Service projects and supported IaaS, PaaS, and SaaS based cloud products in AWS.
  - Strong experience on DevOps essential tools like Ansible, Docker, Kubernetes, GIT, Jenkins, Maven.
  - Experienced with principles and best practices of SDLC methodologies such as Waterfall and SCRUM specifically Agile).
  - Secured Data is stored in HashiCorp Vault. Secures, stores, and tightly controls access tokens and passwords used by the overall platform, started in the AWS cloud, and currently integrates with several services like: AWS IAM.
  - Data Analytics and log management using EFK (Elasticsearch Filebeats and Kibana).
  - Onboarded, supported multiple apps into enterprise monitoring platforms like New Relic, Prometheus, Grafana.
  - Implemented system design architecture in multi cloud providers to meet the SLI, SLO, SLA for reliable systems.
  - Automated the process of installation, patching, configuration of Jenkins, Apache Tomcat/JBOSS using Ansible.
  - Expertise in automating builds/deployment process using Shell scripts with focus on DevOps tools AWS.
  - Managed and Monitored Kubernetes clusters using Prometheus as a data aggregator and Grafana as a data visualization platform.
  - Experienced in using bug tracking systems like JIRA.

## PROFESSIONAL EXPERIENCE

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### **DevOps Engineer /Cloud Engineer/SRE (Dominion Systems – Mississauga, ON, Canada).**

**May 2018 – Present 2022**

- Develop Pipeline (CI/CD) to automate and enforcing all the teams and applications use CI/CD concepts to reduce manual efforts.
- Working with Docker, Kubernetes, Terraform, Jenkins, New Relic tools to develop infrastructure monitoring and deployment pipelines.
- Automated containerized applications deployment process using AWS EKS and AWS DevOps Processes.
- Use of Ansible Vault and Base 64 to encrypt data. Use Helm as a package manager for Kubernetes.
- Managed, Developed Ansible Playbooks with Ansible modules, implemented FULL automation using Ansible, and Experienced usage of Ansible Tower.
- Performed Service Discovery from HashiCorp Consul.
- Assisting with the software integration, including turning software builds into JAR, WAR and EAR packages.
- Deploy and manage solutions efficiently on private or public cloud, and ensure they meet established SLAs.
- Involved in the production release cycle, which includes phases like Dev, QA, UAT and Prod environments.
- Managed Security groups, NACL and Troubleshooting problems.
- Worked in fully automated cloud environments in AWS. Configure EKS cluster using terraform.
- Worked with the architectural lead for the migration of several applications to the cloud.
- Defined Migration strategy to AWS Cloud for customers, designed architecture model compliant Security Policies and Standards.
- Modernized application by breaking monolithic applications to microservices and deployed them across EKS.
- Implemented the migration of customer's on-premises workloads(applications) to the AWS cloud platform.
- Hands-on experience and good knowledge of AWS services: IAM, EC2, EBS, S3, VPC, Route53, ELB, Auto scaling, IAM, internet Gateway, NAT Gateway.
- Configuring IP, DNS record using Route 53 on AWS and managing multi-tier application.
- Plan, build and configure network infrastructure within VPC with public and private subnets, VPC Direct Connect, VPC Peering, configure routing tables, security group, and internet gateway.
- Designed, developed, and implemented high availability, backup, and recovery strategy for applications and database
- Launching databases via non-RDS to support web application functionality.
- Perform S3 buckets creation, access policies, and archive outdated data to Glacier through Lifecycle Policy configuration.
- Deploy internal application software updates in multiple environments, from Development to Production.
- Architected and designed highly available, fault tolerant and cost-effective systems using ASGs, ELB.
- Scripting with Bash Shell, SQL, JSON, YAML, XML, Groovy, Linux script.

### **Internship/Developer (Momentum BPO Inc, Toronto, ON, Canada).**

**Jan 2021 – April 2021**

- Implemented e-signature DocuSign to exiting web form project. (Classic ASP, ASP.NET, C#, HTML, CSS, JS, SQL, API).
- Design Front end UI report page, SQL server database to retrieve specific data.
- Wrote weekly report about progress of project.
- Give feedback, project task on Jira and Push codes to Bitbucket repo.

### **Cloud Engineer (Dominion Systems – Mississauga, Ontario, Canada).**

**August 2016 – April 2018**

- Research and development of new technologies based on client project requirements.
- Identified appropriate use of AWS and deployment, and operational best practices.
- Achieved fully automated CI build and deployment infrastructure and processes for multiple projects.
- Provisioned secure environment for AWS VPC network and implement infrastructure as code using configuration management tools. Implementing CI/CD pipelines using Jenkins and monitor infrastructure.
- Integrated services like GitHub, Jenkins to create a deployment pipeline.
- Ensured compliance with the company's policies and procedures during design, development, and implementation.
- Create and manage users, permissions, directories, and files in a Linux environment.
- Create and manage IAM user accounts and role-based policies for access to AWS services.
- Provision AWS resources using management console as well as Command Line Interface.
- Monitor and manage the 24x7 operations to ensure the highest stability, availability.
- Client Interaction over the Phone or Emails to provide instant response. Extensively stored procedures, functions, Triggers, indexes.
- Deployed Java/J2EEapplications to Application servers in an Agile continuous integration environment and automated the entire process.

**Data Analyst (Magic K Touch Services Ltd, Abeokuta, NG).****March 2016**

- Strong in ETL data validation developed using SSIS ETL environments.
- Involved in creating relational and non-relational database objects like tables, views, procedures, triggers, and using SQL to provide definition, structure, and maintain data efficiently.
- Wrote complex SQL queries using advanced SQL concepts like Join, Group by, and Aggregate functions.
- Performed ad-hoc reporting analysis as well as manipulated complex data on MS SQL server.
- Hands-on experience extracting data from Flat files, Excel spreadsheets, and external RDBMS (SQL SERVER/ ORACLE).
- Using tools like Microsoft SQL server management studio to connect and query SQL server.
- Experienced in Data extraction from internal and external sources, Data uploading into a staging area, Data formatting to meet the defined standards, Data cleansing, Data structuring/mapping, Loading structured data into the warehouse.
- Analyzed duplicate data or errors in data to provide appropriate inter-departmental.
- Adhere to data security and relevant legislation.
- Provided outstanding and professional customer support: achieved a record 100% customer satisfaction rating.
- Creating reports and ETL processes with SSIS, SSRS, SSAS. Experience in data scrubbing and cleansing.
- Hands-on with Big Data tools like HDFS, Spark, MapReduce, HBase, Pig.
- Data visualization and Experience working with different datasets, JSON, XML, CSV/Excel, FLAT files.
- Hands-on with Microsoft SQL Server Report Builder to add a key performance indicator (KPI) to a Reporting Services paginated report.
- Capable of performing tuning to improve performance and installing reporting tools.
- Experience working with large data and trace log files using Microsoft SQL Server Data Tools (SSDT) for Visual studio.

References Available Upon Request.