

# Kaiyven Afi Leslie

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Portfolio: <https://www.hyperiondev.com/portfolio/KA24010013664/>

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## Summary

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A skilled ICT Cloud, Software tester and Data Scientist/Engineer with over 5 years of experience, and a demonstrable ability to query, resolve and deliver complex solutions in both the cloud and data science/machine learning algorithms. Skilled in the use of all three cloud technologies; Azure, AWS and GCP cloud. I have over 5+ years of experience in troubleshooting and resolving hardware and software issues. I am highly motivated, proactive team player with a track record of cultivating and managing company culture for sustainable growth.

## Technical Skills

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**Data Science:** Python (Pandas, NumPy, SciPy), Scikit Learn, SQL, Neural Networks, XGBoost, Rstudio, SPSS, Linear Regression, Logistic Regression, Machine Learning and STATA

**Devops:** Terraform, Kubernetes, Docker, Linux, GitHub, IaC, Kubernetes

**Software Testing:** System testing, Acceptance testing, Regression Testing, Gherkin/cucumber automation testing, Test cases, test plans and Scripts, performance testing, Selenium Webdriver, Jmeter

**Cloud:** Azure, AWS, and GCP

**Frontend:** HTML, CSS/SASS, Javascript, API, React, Git, Django, Flask

**Backend:** Python, Unit Testing, Restful API, MariaDB, MySQL, MongoDB, React

**Business Intelligence:** Power BI DAX, Tableau, Power Query, Microsoft Fabric, QuickSight, TSQL, Excel, Microsoft Access, Big query, Azure Data Factory, Azure Synapse Analytics, Data Warehousing

**Data Engineering:** PySpark, DAGs, DBT, Kafka, Tensorflow, PyTorch, Microsoft Fabric

**Databases:** Postgres, Microsoft SQL server, RDS, MySQL, SQL server, Oracle

## Work Experience

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### EcoCentreSW-Volunteering: September 2024- Present

Creating AWS access policies, creating Databases on Postgres, updating databases, webapp manual testing Django App in development.

Webapp deployment, user requirements collection and training users on the use of AWS console.

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### Public Health Wales- Information Analyst. November 2024- April 2025

Writing ETL/ELT pipelines using Apache airflow, databricks, SparkML to enable data analytics, web scrapping with beautiful soup & pytrends, machines learning, user journeys, deploying pipelines, testing pipeline outputs, containerisation.

Perform data cleaning with pandas, numpy and visualisation with matplotlib. Wrangle data from SQL within virtual machines. Write and extract data from Azure SQL Server data bases for analysis in Python, PowerBI. Debugging, code regression testing after fixing, and dashboard creation with python. Troubleshooting Azure data factory pipelines, using MS Fabric and Databricks to establish analyses and pipelines.

Apache Airflow, DAGs, DBT maintenance of workflows and troubleshooting. Predictive analytics with regression and logistic models of scikit-learn. Using selenium web framework to gather google trends for syndromic surveillance. Test automation using selenium webdriver.

Performing functional tests, Usability testing, performance tests, security tests, writing test cases and scripts. Creating, and Troubleshooting Tableau/PowerBI Dashboards to ensure correct trends are presented using DAX. ETL with power query and dashboards with Power BI. Use of Alteryx for analysis and data visualisation.

Use of ChatGPT-API for interrogating and deep research of newly published medical journals.

### **University of Exeter- Research Fellow. January 2022- October 2024**

Perform data analysis on data arising from experiments at the University of Exeter using seaborn, matplotlib, pandas and numpy for exploratory data analysis and visualisation.

Data clearing using Excel, data sorting and queries on SQL, Scikitlearn for mathematical modeling, machine learning, natural language processing and Deep learning with PySpark. DataOps

Supervise and train students on research methodology and techniques. Azure migration (Azure migrate server assessment, server migration, Data migration assistant, Data migration service/schema migration service).

Use of GCP Cloud storage, Pub/Sub, dataflow, BigQuery Data Transfer Service, Cloud Functions, Cloud composer, DataStream, Data Fusion data extraction, transformation and loading processes. These were then loaded into BigQuery or cloud SQL and Spanner visualised with Looker and then further transformed with dbt.

**Skills:** Azure cloud, report writing, statistical analysis, Office 365, Excel sheets, big data, RNA-seq analysis, Rstudio, python machine learning, scikit learn, xgboost, neural networks.

### **Migration and deployment support, Axiom Technologies-2023 contractual**

On boarding of new software and hardware after an Azure hybrid migration. Scripting was used to automatically map drives. Intune was used to deploy compulsory software to various machines grouped by policies. Azure migrate. Deploying infrastructure as code, designing scalable architecture and pipelines.

**Skills:** Client onboarding, shell scripting, Azure Active Directory, Azure migrate, stake holders, extraction transformation and loading using AWS pipelines, Advanced Excel sheets and Intune. Azure Devops, Terraform(IAC), GitHub, CI/CD pipelines, Jenkins, Docker, Kubernetes(Azure, AWS and GCP).

### **Lighthouse supervision, Plymouth Hospital**

**07-2021 to 12-2021**

Supervised and trained technicians at the lighthouse on diagnosis and troubleshooting automated diagnostic equipment. Coordinated shift timetables and workload distribution.

**Skills:** Communication, data analysis, Microsoft Excel, Data cleaning, managing people, Power BI, DAX Dashboards, Robotic automation, Python, Standard operating procedures, supervision.

### **Research Associate, University of Exeter**

**01-2019 to 06-2021**

Perform experiments, data analytics, and problem based learning.

**Skills:** Extract, Transform, load (ETL), Statistical Data Analysis, Visual studio code, Data visualisation with GraphPaD Prism, Analytical Skills, Microsoft PowerPoint and teaching, data wrangling with Pandas, numpy, visualisation with matplotlib.

## **Research Associate/ Project Management, Centre Pasteur Cameroon 10-2010 to 09-2015**

Managed various research projects on Tuberculosis, HIV, and Buruli Ulcer. Ensuing key performance indicators are met and project timelines are achieved. Writing project reports and presenting them to key stakeholders. Created clinical data bases and used advanced Excel methods, VLOOKUP, SUMIF, COUNTIF, XLOOKUP, INDEX match, CHOOSE, LEN, TRIM, CONCATENATE to analyse and filter clinical data for various research projects. Use of SPSS, SAS for data analytics. Coordinated 3 laboratory projects on tuberculosis by creating a tracking system for samples and results. Used Linux and Microsoft operating systems. Presented clinical results data to stakeholders for critical decision making.

## **Volunteer IT Technician/Lab assistant Saref Clinic- Yaounde July 2010- November 2010**

Performing laboratory analysis and troubleshooting technical equipment for the clinic

## **Education**

**University of Exeter** - PhD Medical Studies- **September 2015-April 2019**

**University of Buea (Cameroon)**- Medical Laboratory Science BMLS-**September 2005 - June 2010**

**University of the West of England(UK)**-MSc Biomedical Sciences-**September 2013-August 2014**

## **Training**

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**Certificate – Hyperon Dev** -Software Engineering |**Certificate – IO Academy** - Data Science |  
**Certificate - Technologiesoutcomes** - Devops | **Certificate-Cloud Academy** - ICT Cloud |  
**Certification - AWS** - Cloud Practitioner | **Certification - Azure** - Az900 | **Certificate-Learning People** - Software Testing | **Certificate - Le Wagon** - SQL |**Certificate - CISCO** - Data Analytics |  
**Certificate** - Data Engineering Iungo | **certificate** - Alteryx

## **Other skills**

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Machine Learning & AI: TensorFlow, PyTorch

Big Data: Hadoop, Spark, Azure data factory, Azure synapse analytics, ETL using AWS Glue and AWS Data pipelines

Data Visualisation: Tableau, Power BI, Matplotlib, Seaborn, ggplot2, GraphPaD prism, SPSS, Alteryx

ICT Cloud: Azure Migration assistant, S3, Azure solutions architect, Bash and shell scripting

**Solutions, applications, and tools:** Effective use of a range of SaaS tools and cloud services including Virtual Machines (VMs), Production Management VM, Postman, SQL Reporting DB query, Cosmos DB query, Azure AppInsights (Logs/Metrics) query, Azure Log Analytics Workspace query, SFTP / FileZilla for secure file sharing, Monitoring Dashboards, Service Now, Jira, Confluence, VS Code, GitHub, Azure DevOps CI/CD pipelines, Teams, SharePoint, Get Organised, JMeter, DevPortal, Sandbox Portal, and Encode, MS Project Professional, Advance MS Excel, Setting up billing accounts for Data analysis on Google cloud platform, Change a defective RAM and Hard drive on a laptop, Replacement of defective motherboard, laptop, iPhone and iPad broken screens, batteries

## **Languages**

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English | French | Lamnso