# Olan Olaleye

**Data Cloud Engineer—**

**Candidate Highlights:**

* Over 14 years of technical consulting experience with a proven track record in the design, development, deployment and administration of database solutions.
* Over 7 years of experience working with Greenplum and PostgreSQL, including database architecture, development, installation, maintenance, performance monitoring, administration and enhancement.
* Expertise in designing, implementing, and managing enterprise relational (OLTP) and dimensional (OLAP) solutions within datacenter environments, with a strong understanding of database modeling principles.
* Over 7 years of experience writing Python and SQL scripts for the management, deployment, and development of databases.
* Extensive experience working in Agile methodology within large Enterprise environments.
* Experience working in a cloud environment with Amazon Web Services on government programs.

**Education:**

B.S in Computer Science, University of Ibadan

M.S. in Information Technology, University of Maryland

**Knowledge in a variety of DevOps tool spaces including examples from the following stack:**

**CI** (e.g., Jenkins, Bamboo, TeamCity)

**Build Management** (e.g., Maven, Gradle, Ant, MSBuild)

**Automated Tests** (e.g., Unit, Functional, Regression)

**Server Config Mgmt** (e.g., Chef, Puppet, Salt, Ansible, DSC)

**Release Management** (e.g., XebiaLabs, CA RA, Urban Code)

**DB Automation** (e.g., Flyway, Liquibase)

**Containers and Container Services** (e.g., Docker, Kubernetes, Swarm)

**SCM** (e.g., Git, Subversion, Bitbucket, GitHub)

**Packaging & Binary Repositories** (e.g., NuGet, Nexus, Artifactory)

**Change/Issue Management** (e.g., Jira, ServiceNow, Service Desk, TFS)

**Provisioning Frameworks** (e.g., Terraform, VMWare, Cloud Services, Cloud Foundry)

**Monitoring** (e.g., Splunk, ELKStack, AppDynamics, Nagios)

**Scripting** (e.g., Shell, PowerShell, Python, Ruby, Go, Groovy)

**Certifications:**

AWS Certified Solutions Architect – Associate

AWS Certified Developer – Associate

AWS Certified Cloud Practitioner

Certified Agile with Atlassian Jira

LPI DevOps Tools Engineer-Candidate

CompTIA A+

Oracle Certified Associate (OCA) Oracle 10g, 11g

Oracle Certified Professional 12c (OCP)

Big Data Boot camp-: Certificate of Completion.

SOA 11g Training

**Clearance:**

Department of Treasury Public Trust

**Professional Experience:**

Supporting SSA 03/2018 - Present

Data/Devops Engineer

* Providing support to Division of Database Services (DDBS) division in all issues related database automation.
* Maintain existing ETL workflows, data management and data query components
* Developed automated liquibase yaml format with python script.
* Initiated a lot of fine tuning mechanisms to tune the database as well as the queries to complete a set of given jobs or tasks in optimal time
* Automate DB2 login access with macros.
* Work in a fast-paced agile development environment to quickly analyze, develop, and test potential use cases for the business
* Develop ways to access Erwin data Modeler api object with python script.
* Troubleshoot ETL failures and performed manual loads using SQL and python.
* Support automated deployment using Maven and Liquibase.
* Advance usage of Erwin Data Modeler Api.
* Experience working with No Sql database(MongoDB, Casandra)
* Used scripting languages like Python3 and Jinja2.
* Responsible for maintaining quality reference data in postgresql by performing operations such as cleaning, transformation and ensuring Integrity in a relational environment
* Automated ETL processes, making it easier to wrangle data and reducing time by as much as 40%.
* Installing, configuring and maintaining various CI/CD tools for automation.
* Administering several AWS Resources.
* Experience in Linux Engineering and DevOps automation, Configuration Management, Continuous Integration (CI), Continuous Deployment, Release Management, Cloud Implementations, with a “can do” attitude.
* Used Ansible server to manage and configure nodes, also managed Ansible Playbooks with Ansible roles.

**Supporting Return Review Program (RRP) at the IRS**  **01/2017 - 01/2018**

**Data Engineer**

* Using Greenplum/PostgreSQL, Perform the logical design, physical design and development effort at Internal Revenue Services (IRS) on Return Review Program (RRP) to enhance IRS capabilities to detect, resolve, and prevent criminal and civil tax fraud.
* Extensively involved in developing code on Return Review Program (RRP) to help identify instances of tax return fraud, potential improvements in the IRS approach to prevent, detect, and resolve pre-refund tax fraud, and among others.
* Introduce automated deployment with Devops mentality using Maven and Liquibase.
* Worked on Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications
* Develop processes to get code from development into a production environment using open source software. e.g Maven, Puppet, Ansible, flyway.
* Manage source code with Git.
* Used SQL scripting to develop database applications.
* Used Erwin data modeler to design the database.
* Designed and implemented Massively Parallel Processing (MPP) system based on Greenplum appliance that executes Extract, Transform, and Load (ETL) for large volume of trading data from multiple complex sources and performs transactional analysis.
* Development of applications and services for security and data management with primary focus on ETL, Big Data, and Data Analytics.
* Proficient in analyzing business and technical requirements, recommending adoption of new or enhanced approaches to deliver IT services.
* Analyzed and refined software requirements for RRP and translated them into working prototypes; determined software architecture, wrote and debugged code; designed and developed report outputs.

Quick comprehension of complex new information, close attention to details, innovative problem solving with strong analytical skills.

* Worked closely with RRP surveillance analysts to define data standards, finalize requirements, and refine algorithms.
* Translated and optimized SAS code into SQL queries using PostgreSQL; developed user interface for business analysts.

**Supporting NARA 05/2016 - 12/2016**

**Senior Database/System Engineer (Cloud/DevOps)**

* Administered agile database deployment, DevOps for National Archives using Maven with Liquibase
* Managing code and release through tools like liquibase, maven and U-deploy across all environments.
* Expertise with configuration management automation tool Ansible and has worked on integrating Ansible.
* Greenplum Database Segment recovery.
* Manage Greenplum database used for data warehousing
* Worked on Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications
* DBA with Devops team working on implementing automated database deployment throughout the project environment.
* Upgraded PostgreSQL database on AWS.
* Implementing continuous project build and deployment delivery process using urban code ​Deploy, Source control and PostgreSQL.
* Participated in the release cycle of the product which involved environments like Development, SIT, QA, UAT and Production.
* Managed database in AWS hosted environment.
* Data loading using nonparallel COPY, parallel Loading using gpfdist & gpload.
* Routine password management using dca\_setup.
* Configuring LDAP, PgAdmin using pg\_hba.conf.
* Configuring LDAP, PgAdmin, SMTP on Greenplum DCA.

**Supporting the IRS 04/2011- 05/2016**

**Senior Database Consultant/Developer**

* Performed administration activities such as installation, migration, patching, network configuration, performance tuning, backup/recovery, security, and database cloning for both Oracle OLTP and Greenplum data warehouse databases.
* Designed and develop normalized logical and physical OLTP and OLAP models; design enterprise data warehouse.
* Developed and enforce database related policies, standards, naming conventions, operating procedures, and best practices.
* Wrote Python scripts to manage database deployments.
* Used SQL scripting to develop database applications.
* Performed ETL and load large fact tables using gpfdist.
* Improved applications and reports performance through query optimization that significantly reduces execution times by identifying performance issues using Explain Plan.
* Planning, installation, configuration, management and troubleshooting of Oracle 10g and 11g databases on Linux and Windows OS.
* Resolved complex database issues.
* Expertise loading and unloading GP data using gpload with gphdfs, gpfdist & gppxf.
* Experience recovery GPDB servers.
* Used gptransfer to transfer data between GP environments.
* Managing Monitoring GP DCA using Command Center.
* Maintained the database document library containing documents such as service level agreements, E-R diagrams, network diagrams, performance reports, installation notes, and standard operating procedures (SOPs).
* Used Erwin data modeler to design the database.

**ABT Associates 2010 – 04/2011**

**Senior Database Developer**

* Developed the ETL processes to extract/load legacy data from SQL Server / Oracle OLTP databases to the Oracle data warehouse.
* Used ETL tools to load data from external sources into Oracle databases.
* Wrote SQL scripts to develop database applications
* Developed a strategic plan for the database development that supports the organization's operational requirements.
* Wrote Python scripts to manage database deployments

**Alorica Inc. 2007 – 2010**

**Database Developer/DBA**

* Provided configuration management design and implemented and developed the process for online processing modification to software changes.
* Created database maintenance plans and ensured that all databases are backed up on a regular basis by monitoring full, differential, transaction log backups.
* Performed fine grain database auditing.
* Administered database user accounts. Create, modify and deactivate user accounts; assign and monitor user access rights
* Developed and enforce database related policies, standards, naming conventions, operating procedures, and best practices.

**Pepsi 2004 – 2007**

**Desktop Engineer/Database Administrator**

* Provided configuration management design and implemented and developed the process for online processing modification to software changes.
* Created database maintenance plans and ensured that all databases are backed up on a regular basis by monitoring full, differential, transaction log backups.

Performed fine grain database auditing.

* Administered database user accounts. Create, modify and deactivate user accounts; assign and monitor user access rights
* Developed and enforce database related policies, standards, naming conventions, operating procedures, and best practices.