Contact

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Top Skills

Business Intelligence (BI)
Solution Architecture
Vulnerability Assessment

Certifications

AWS: Storage and Data
Management
Learning REST APIs

Philip Ikeche, AWS SAA, AWS BDS, AWS CSS, ITIL, DevOps

A professional Solutions Architect and Consultant in Enterprise
Infrastructure Deployment and Big Data solutions.
Washington DC-Baltimore Area

Summary

An AWS Flexible professional Solutions Architect with hands-on
experience working as a Solutions architect/BI Developer for multiple
clients, managing server infrastructures, Dockers & Kubernetes
orchestration, Hadoop ecosystem, database migration and data
center operations. Implementing up-gradable, scalable, Hyper-
converged infrastructure, with exemplary expertise in routine
application maintenance tasks, including troubleshooting and testing.

Experience

ph Data
Lead Data Engineer
December 2023 - Present (1 year 11 months)

• Modern Data Warehouse: Designed and deployed enterprise Snowflake data
warehouse architecture with automated scaling, supporting 50+ concurrent
users and sub-second query performance for healthcare analytics
• Legacy Modernization: Successfully migrated critical SAS-based pipelines to
modern Databricks and Snowflake architecture, reducing processing time by
60% and operational costs by 35%
• Strategic Consulting: Educated stakeholders on Azure PaaS/SaaS solutions
and Snowflake cost optimization, providing architectural recommendations that
resulted in 30% reduction in cloud spending
• Performance Engineering: Proactively identified and resolved database
performance bottlenecks in Snowflake and Databricks during development
phases, ensuring 99.5% system uptime
• Self-Service Analytics: Designed and implemented ELT-based reporting
framework integrating Azure Data Lake Gen2 with Snowflake, enabling
business users to access real-time insights independently
• Advanced Data Processing: Developed custom Spark vectorized pandas
UDFs and optimized Snowflake warehouse configurations for complex
healthcare data manipulation, improving processing efficiency by 50%

• Snowflake Engineering: Implemented advanced Snowflake features including Time Travel, Zero-Copy Cloning, and Dynamic Data Masking for healthcare data compliance and governance
• dbt Pipeline Deployment: Architected automated dbt deployment workflows with Git integration, featuring environment promotion, data quality testing, and rollback capabilities
• Azure-Snowflake Integration: Built seamless data ingestion pipelines from Azure Data Factory to Snowflake using Snowpipe and external stages, processing 10TB+ daily healthcare data volumes
• Monitoring & Governance: Implemented comprehensive logging framework using dbt test results, Snowflake query history, and Azure Log Analytics for end-to-end monitoring

Perceptyx
Senior Solutions Architect / Data Engineer (Consultant)
October 2022 - November 2023 (1 year 2 months)

• Data Architecture & Migration: Designed and implemented scalable data architectures for migrating legacy SAS pipelines to modern Databricks solutions, reducing processing time by 60%
• Azure Cloud Engineering: Built end-to-end ELT pipelines using Azure Data Factory, Databricks, and Data Lake Gen2, supporting 500+ million records daily
• Performance Optimization: Achieved 40% improvement in query performance through Spark SQL optimization and vectorized pandas UDFs
• Infrastructure Automation: Automated Azure infrastructure provisioning (storage accounts, service principals, integration runtimes) reducing deployment time by 75%
• Monitoring & Governance: Implemented comprehensive logging frameworks and Azure Log Analytics for pipeline monitoring and alerting
• Agile Leadership: Led SAFE methodology implementation with cross-functional teams, delivering quarterly business objectives

OneGlobe LLC
Enterprise Data Architecht/Engineer
March 2021 - October 2021 (8 months)
United States

Manufacturing Client | Advanced Analytics Platform
• Modern Data Stack: Architected and deployed dbt-Snowflake solution with Azure DevOps CI/CD, enabling 90% faster model deployment

• Multi-Cloud Architecture: Designed hybrid AWS-Azure data pipelines supporting real-time analytics for manufacturing KPIs
• Data Engineering: Built scalable Delta Lake architecture processing 10TB+ daily data volumes with sub-second query response
• DevOps Integration: Implemented GitOps workflows and automated testing frameworks, reducing deployment errors by 85%
Government Health Monitoring | Public Health Analytics
• Secure Data Pipeline: Developed HIPAA-compliant data architecture with multi-region deployment across national boundaries
• Real-time Processing: Implemented Kafka-based streaming solutions for IoT health monitoring data ingestion
• Self-Service Analytics: Created Power BI reporting framework enabling business users to build custom dashboards
• Infrastructure as Code: Utilized Ansible playbooks for automated deployment and configuration management

Frontier, Inc.
Cloud Architect / Engineer (external facing)
March 2020 - March 2021 (1 year 1 month)
United States

• Cloud Migration Strategy: Led enterprise digital transformation initiative migrating legacy financial systems to multi-cloud environment, saving $2M annually
• AWS Architecture: Designed production-ready architecture with auto-scaling, disaster recovery, and 99.9% uptime SLA
• Security Implementation: Deployed comprehensive security framework using AWS native tools and third-party solutions, achieving compliance requirements
• Data Pipeline Automation: Built fully automated CI/CD pipelines using Jenkins, reducing deployment time from days to hours
• Stakeholder Management: Engaged with C-level executives to define enterprise cloud strategies and technical roadmaps

SKYBARREL SOLUTIONS
Consultant; AWS Senior Solutions Architect / BI
January 2017 - March 2020 (3 years 3 months)
United States

Banking Domain Client
• Data Warehouse Design: Architected high-performance data warehouse solutions supporting complex financial reporting requirements

• Security Framework: Implemented enterprise-grade encryption and authorization frameworks for sensitive financial data
• Performance Engineering: Optimized large-scale data processing systems achieving 50% reduction in processing time
• Team Leadership: Mentored 8+ junior developers and established data engineering best practices and governance standards
• Technology Migration: Successfully migrated legacy SAS workloads to modern cloud-based Databricks platform

HCL Technologies
Client Facing / Multi-project Solutions Architect / Consultant
January 2014 - December 2017 (4 years)
Richmond, Virginia, United States

CIGNA Healthcare Of Connecticut, Inc.
Senior Data Scientist / Data Engineer
April 2011 - October 2013 (2 years 7 months)
Connecticut, United States

Education

George Mason's Volgenau School of Engineering
BigData Computing, Computer Engineering · (2019 - 2019)

University of Maryland Global Campus
MSc., Health Informatics · (2015 - 2017)

SANS Technology Institute
Cloud Security Architecture and Operations , Information Systems Security/ Information Assurance · (2017 - 2017)

Windsor University School of Medicine
Doctor of Medicine - MD, Medicine and Surgery · (2007 - 2009)