

Solomon Adefowora

Cloud Network & DevOps Engineer

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SUMMARY

Over **8 years' experience** in **Networking Technology, Cloud Infrastructure, DevOps, and Project Management** with strong expertise in **AWS infrastructure deployment** and **AWS data engineering services** including **EMR, Glue, Athena, and Data Firehose**. Skilled in **DevOps** and **MLOps** utilizing **Terraform, Ansible, AWS native CI/CD, Jenkins, and Git**. Experienced in managing network infrastructure elements such as **VPNs, SDNs, WAPs, and Load balancers** (including **AWS ELB & ALB, A10/F5**), as well as configuring **Switches and Routers**. Proficient with system administration tools like **Microsoft System Center (SCCM), Active Directory (AD), Docker, Linux**, network tools (**NMap, Wireshark, SSH, SCP, Telnet, FTP**), and mainframe security managers such as **RACF, ACF2, and Top Secret**.

Designed and managed roles and groups with **AWS Identity and Access Management (IAM)** to control user accounts and configured AWS services including **RDS, Route 53, SQS, and SNS**. Developed **Ansible playbooks** leveraging **Python SSH** wrappers to manage configurations of AWS nodes. Implemented best practices and tools in **DevOps**, including centralized logging with the **ELK stack** and monitoring via **Nagios, Splunk, and CloudWatch**.

Extensive hands-on experience designing and deploying **deep learning** and **machine learning** solutions using frameworks such as **PyTorch, TensorFlow, and scikit-learn**. Specialized in **neural network architecture design** (including **CNNs, RNNs, and GANs**), **model training**, and **hyperparameter tuning**.

Experienced working in **Agile environments** using **SCRUM** and **KANBAN** methodologies. Created and maintained multiple build definitions and published profiles to automate build pipelines. Proficient with **Microsoft Project and JIRA**.

Strong **analytical, problem-solving, and communication skills**, able to work independently or collaboratively within teams.

SKILLS

- EXCELLENT ABILITY TO CONFIGURE & TROUBLESHOOT: **VLANs, ACLs, OSPF, EIGRP, RIP, BGP, DNS, DHCP, MPLS, VPC, HSRP, VRRP, QOS TRAFFIC, STP, NAT, SSH, TCP/IP, ROUTING & SWITCHING, LINUX CLIs.**
- EXCELLENT KNOWLEDGE OF AWS IN: **CLOUDFORMATION, ATHENA, SAM, SAGE MAKER, SAGE MAKER STUDIO, LAMBDA, API GATEWAYS, ELB, EC2, AIRFLOW, S3, DYNAMODB, AURORA, RDS, KINESIS DATA STREAM, DATA FIREHOSE, AWS EKS & ECS, ELASTIC BEANSTALK, EFS & FSX, VPC ENDPOINTS (Gateway & Interface).**
- VIRTUALIZATION (**VMware & Virtual Box**), SCRIPTING LANGUAGE (**PowerShell/Bash Scripting, Python, YAML, JSON**), OPERATING SYSTEM (**Windows Servers, Ubuntu 12/13, CentOS 4/5/6/7, WSL 1 & 2,**), AUTOMATION & ORCHESTRATION (**Kubernetes, Docker, Puppet, CHEF, Ansible, Terraform, Adaxes**), WEB SERVER (**Tomcat 7/8, Apache, WebLogic, WebSphere**), Forward & Reverse **Proxy Implementations, Microservices.**

- EXCELLENT KNOWLEDGE OF PROJECT MANAGEMENT BEST PRACTICES: **AGILE METHODOLOGIES, SCRUM, KANBAN, SCOPE DEVELOPMENT, PLANNING & SCHEDULING, RISK, TEAM & STAKEHOLDER MANAGEMENT.**
- ENVIRONMENT: **AWS, Azure, Linux, Windows, GIT, Grunt-automation, Jenkins, Artifactory, Chef, Python, PowerShell, and Apache tomcat, Microsoft System Center, Microsoft Exchange Server, Docker, Kubernetes, JIRA, Microsoft Project, Microsoft 365, Zoho Office Suite, Google Workspace(Suite).**
- MACHINE LEARNING & DEEP LEARNING: End-to-end model lifecycle (**Data Preprocessing, Feature Engineering, Training, Tuning**), leveraging Python libraries (**Scikit-learn, Pandas, NumPy**) and Deep Learning frameworks (**PyTorch, TensorFlow**) for deployment on **AWS SageMaker. Generative AI**, including **LLM fine-tuning, RAG**, and **Prompt Engineering with frameworks like LangChain and Hugging Face** for deployment.

EXPERIENCE

Independent Contractor & Consulting - *Cloud DevOps, Full stack Python & PyTorch Development*

Engaged in a series of high-impact contracts, operating as a Full Stack Python Developer, Cloud DevOps & MLOps Engineer for clients across various industries :

DevOps Engineer – DEEPAPEX AI INC, TORONTO, CANADA

JAN 2026 – PRESENT

- Architected and deployed an **enterprise-grade cloud infrastructure** for a scalable Financial Planning Tool(**FPAT**) using **Terraform to provision Azure Kubernetes Service (AKS), Azure SQL, and Azure Synapse Analytics.** Containerized the **Next.js 14 / React frontend with Docker** and established **automated CI/CD pipelines via GitHub Actions** for seamless, zero-downtime deployments. Engineered a secure data layer bridging local offline states with live **Azure Key Vault secrets**, preparing the **SOC-2 compliant stack for Microsoft Entra ID** and complex integrations (**Dynamics 365, Power BI, Ceridian Dayforce, Shopify,**) through scalable abstraction patterns, strongly positioning the product for a large-scale government procurement.

Lead Developer – CHAINQUERY AI INC., OTTAWA, CANADA

JUL 2025 – JAN 2026 (7 months)

- Led development of **Project Guardian**, an **enterprise-grade AI OSINT/due diligence platform** for **Canadian corporate risk intelligence**, aggregating multi-source data into a unified relationship graph. Built **modular backend services in Python (FastAPI)** with connectors (EDGAR, CanLII, OpenCorporates, etc.), implementing **entity resolution, graph modeling, and risk scoring.** Developed **high-performance lookup microservice (FastAPI, SQLAlchemy, PostgreSQL)** and **data ingestion pipelines** for corporate/director intelligence. Created **React SPA (CRA, Force Graph, AWS Cognito)** for **interactive risk & data visualization and multilingual UX.** Provisioned **AWS infrastructure (Terraform)** with **VPC, RDS, OpenSearch, Neo4j,** and enforced secure, **production-ready architecture (Docker, pytest, IAM).**

Developer - A.M.S. TECHNICAL GROUP-NEW YORK CITY, INC., USA (Remote)

JAN 2025 - JUN 2025 (6 months)

- **Architected and deployed a multi-tenant, cloud-native property management SaaS platform** using a **microservices architecture** with **Django, Flask**, and a **React** front end. **Integrated with third-party APIs** for **payment processing and background checks, containerized all services using Docker,** and **automated CI/CD pipelines with Jenkins on AWS,** resulting in a **30% reduction in average time-to-market** for new features.

MLOps Engineer - COMPREHENSIVE SPINE AND SPORT CENTER, MICHIGAN, USA (Remote)

JUN 2024 - DEC 2024 (7 months)

- **Developed and trained a computer vision model** using **PyTorch** and the **YOLOv5 architecture** to analyze medical imaging (MRIs/X-Rays) and detect anatomical anomalies in real-time. Achieved a **97% mean average precision (mAP)** on the **test dataset**, leading to a **25% reduction in manual review time** and a **15% decrease in diagnostic oversights.**

Developer - SOLARTECH INC. (Remote)

OCT 2023 - MAY 2024 (8 months)

- Led the end-to-end development of a custom e-commerce platform, featuring real-time inventory management, a personalized recommendation engine built with scikit-learn, and a secure checkout process compliant with PCI DSS standards. This new platform supported a 150% increase in online sales within the first six months of launch.

Contract Consultant - TELCOM TECHNOLOGIES, INC. (Remote)

APR 2023 - SEP 2023 (6 months)

- Engineered a scalable data ingestion and processing pipeline, capable of handling over 1 million daily transactions. The solution leveraged Kafka for real-time data streaming, Celery for asynchronous task management, and PostgreSQL for data storage, improving data processing speeds by 400% and enabling near real-time analytics.

NTG Software Developers, Toronto - Cloud & Network Engineer

JAN 2014 - APR 2023

- Worked closely with Cloud Architect teams using: AWS serverless architectures, AWS CDK, AWS Fargate, AWS EKS & ECS and other non-AWS cloud development and deployment applications like Docker and Kubernetes.
- Installed and configured switches and routers to connect network devices such as computers & servers using automation tools such as Ansible and Bash scripting while working closely with DevOps teams using AWS Native CI/CD, Jenkins, Jira, Dynatrace, Scalr and Node.js, Terraform
- Managed a \$2M project from initiation to closure using PMP best practices, including scope definition, risk mitigation, and stakeholder communication. Led cross-functional teams to deliver all milestones on time and within budget, achieving a 98% client satisfaction rating.
- Onboarded new users to active directory (on Azure) and implemented security rules that worked with Azure notifications alerts (CPU, MEM, Backup, app gateway latency) in conjunction with the Microsoft Exchange.
- Configured Kubernetes Replication controllers to allow multiple pods such as Jenkins master server in multiple minions. Managed Kubernetes charts using Helm, managed Kubernetes manifest files and created reproducible builds of the Kubernetes application. Installed Docker in the local machine to test our serverless applications locally using SAML 2.0. Setup Docker to automate container deployment(CI/CD) through Jenkins and dealt with Docker Hub, making Docker images and taking care of various images essentially for middleware establishments.
- Extensively worked with Bash & PowerShell to automate SQL tasks, environment management related tasks and procedures on Windows machines using key Microsoft network protocols like SMB/CIFS/MAPI/ActiveSync/SQL.

EDUCATION

University of Windsor, Windsor, ON - Bachelor of Science, Biological science (minor - Computer Science)

CERTIFICATIONS

AWS DEVOPS ENGINEER PROFESSIONAL (DOP-C02) – VALIDATION #: 3628533be0d64a5b84ce7304b2993ec5

AWS MACHINE LEARNING - SPECIALTY (MLS-C01) – VALIDATION #: e9be96dfdc604863a4c0f13df8621abf

LPIC-LINUX SYSTEM ADMINISTRATOR (LPIC-1) – VERIFY AT: lpi.org/v/LPI000632505/jgubawhc8u

CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) – VERIFICATION #: 8a2309c555dc4844b4c051db94e3467a

AWS SOLUTION ARCHITECT ASSOCIATE (SAA-CO3) – VALIDATION #: 3382QEMKTFQ117W9

PMI PROJECT MANAGEMENT PROFESSIONAL (PMP) – PMP #: 3445276