James Nduka

Email: james.s.nduka@synwin.co.uk **LinkedIn:** URL **GitHub:** URL

PROFILE

A versatile Solutions Architect and Engineer with several years' experience in Development Architecture, DevOps and Configuration Management of on-premise and Cloud based environments (AWS & Azure).

I have been involved in engagements varying from the financial and banking industries to utility companies and retail, where I have been responsible for strategizing the DevOps architecture for traditional and non-traditional enterprise applications whilst effectively applying practices, processes and tools in place for automation and Continuous Delivery.

Also, a certified AWS Solutions Architect and SysOps Administrator that has designed and implemented fault-tolerant/highly available infrastructure and services in the cloud.

KEY ACHEVEMENTS

- Designed and developed several automated deployment pipelines which has accelerated delivery by over 35% and increased the number of application code deployments occurring each day

- Key in implementing innovative public and private cloud solutions for clients in the financial, utilities, pharmaceutical and retail sector.

- Positioned as a DevOps SME within Accenture's shared service, providing process enhancements and tools expertise in the key areas of the software development lifecycle

- Rationalizing *Infrastructure-as-code*, using AWS CloudFormation & Hashicorp's Terraform to stand up staging, QA and pre-prod environments before using Chef to deploy and configure the application releases on top of the instances. As a result, this saved the business of over 40% in unnecessary spending on *on-premise* server capacity

EMPLOYMENT EXPERIENCE

AstraZeneca, Cambridge   Mar 2019 – Oct 2019
Senior SysOps Engineer *(contract)*
- Apart of the SysOps team in Science & Enabling Units. Responsible for servicing the AWS infrastructure needs of some of AstraZeneca's advanced architectures.
- Working with highly scalable advanced AWS resources such as Amazon ECS, Batch, Lambda, Step Functions and Athena
- Assisting the functional genomics project which was in collaboration between AstraZeneca & Cancer Research UK to build the AWS architecture fit for advanced data screening and analysis.
- Engineered the CI/CD pipeline for Docker images used for the genomics project. The output Docker images were then pushed to both Amazon ECR and DockerHub
- Adhering to strict AWS security practices and cloud operational standards such as CIS compliance
- Using tools such as Chef for Linux & Windows config management, Jenkins for CI/CD, Packer for image creation and CloudFormation for infrastructure definition.
- Worked in an Agile development manner supporting rapid change to Dev, SIT, Pre-Prod and Prod environments

WM Promus, London   Nov 2018 – Mar 2019
Senior Cloud Technical Architect *(contract)*

- Responsible for the architecture of the Azure "Development" and "Test" environments across two subscriptions, which was a mixture of 100 Windows 2016 and Ubuntu server machines
- Working closely with the infrastructure strategy and architecture team at clients such as Allen & Overy LLP
- Planning and implementing the rollout of Chef Server and Chef Automate v2 for the management of the config and compliance/security for 100 Windows and Linux
- Conversion of existing, laborious PowerShell and Bash scripts into a collection of sophisticated Chef cookbooks to manage the automation of configuration for the nodes
- Creation and modification of InSpec profiles to ensure all deployed nodes were kept in a compliant state
- Designed and implemented the CI/CD pipeline for all *infrastructure-as-code* artifacts

Ladbrokes Coral Group, London   Nov 2017 – Aug 2018
AWS Cloud Engineer, *Cloud Guild (contract)*

- Maintenance and contribution to the Cloud Framework used by all projects within LCG being onboarded to AWS
- Automation of on environments for the Ladbrokes Sports Front End, using a combination of Terraform, Chef and Jenkins
- Supporting teams new to Cloud concepts through daily assistance and guidance which would result in members becoming self-sufficient. Beneficial for long term growth of the workforce's capabilities

Tesco Technology, Welwyn Garden City   Dec 2016 – Nov 2017
AWS DevOps Engineer *(contract)*

- Engineering and overall enhancement of an in-house AWS "Cloud Capability Centre" platform
- Automating compliance checks across 100+ AWS accounts leveraging resources such as Lambda, Config Rules, IAM, SQS/SNS
- Integrating Splunk Monitoring across the vast number of VPC's in Tesco
- Used Technology; Terraform, Chef, Jenkins, Ruby, Python, Node.js, Vagrant and Packer

Chef, London
Solutions Architect *(Non-exclusive contract)*   Jul 2016 – Dec 2016

- Covering post-sales consultancy for clients such as Principality, ABN Amro and EuroJust
- Delivering 'vmware provisioning' and application deployment cookbooks
- Comprehensive write-ups and recommendations given to clients post on-site consultancy

Contino, UK   Jan 2015 – July 2016
Senior DevOps Consultant, *Automation & DevOps (Rolling Contract @ Capital One)*

- Effectively transformed the Automation team's way of working by introducing key DevOps methods and best practices while using Agile SCRUM for delivery
- Introducing concepts such as TDD, Continuous Integration, Continuous Delivery and Distributed Version Control (GIT)
- Leveraging AWS resources such as VPC, EC2 and CloudFormation while still maintaining an on-premise VMWare vSphere datacenter
- Designing usage patterns for tools such Jenkins, Chef, Packer, Terraform and Docker
- Scripting in Ruby, Bash and Python

Accenture, London

Lead Technical Architect, *DevOps Control Services*   May 2013 – Dec 2014

- Strategizing the development architecture and DevOps for a leading European financial services implementing its new post-trade platform.
- Created the Continuous Integration and Deployment Pipeline for the transition of code/config artefacts throughout the testing lifecycle to production in a seamless and automated manner.
- Applied tools such as Jenkins and Chef to assist continuous delivery and configuration management.

Technical Architect, *Scottish & Southern Energy (Accenture engagement)*   Jun 2012 – May 2013

- Effectively applied DevOps best practices and processes to manage build and deployments of the config items for Oracle Utilities packaged platform.
- Ensuring the build and deployment process was kept up to date with constantly evolving requirements.
- Built an invaluable working relationship with the build leads, test leads, environment leads and operations team to improve the overall collaboration.
- Applied tools such as Jenkins, ClearCase, ClearQuest and Accenture's in-house build & deployment automation tool.

Tech Arch Senior Analyst, *DCSC + EDF Energy (Accenture engagement)*   Jul 2009 - Jun 2012

- Led a team based onshore (London), Manila and Mumbai who were involved in resolving configuration management, build and deployment related support requests.
- Solved an ongoing delivery issue by providing automated delta deployments of the Oracle Fusion middleware.

Accenture, London *(1 Year Industrial Placement)*   Jul 2007- Aug 2008

Associate Software Engineer*, VISA (Accenture engagement)*

- Role involved coordinating optimizing Java source code in compliance for the project standard.
- Following defined processes and using standard development tool sets (IBM Rational Software Architect, IBM ClearCase and DB2).

EDUCATION

2005 – 2009 **City University**
Bachelors of Science (Hons) Business Computing Systems, **Achieved Degree:** 2:1

TECHNICAL CERTIFICATIONS

May 2017 – **Amazon Web Services**
AWS Certified SysOps Administrator – Associate, **License**: M1YSQE1CCBQ1Q2KB

Nov 2014 –**Amazon Web Services**
AWS Certified Solutions Architect – Associate, **License**: AWS-ASA-4520

Oct 2013 - **ITIL**
ITIL Foundation Certificate in IT Service Management, **License**: QU30120655

Jan 2008 - **Sun Microsystems**
Sun Certified Programmer for the Java 2 Platform

REFERENCES AVAILABLE ON REQUEST