

Nwigbo, Nubari

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PROFILE

A dedicated software Engineer, Solutions architect, and cloud Engineer with 5+ years' working with and leading cross-functional teams in the design, implementation and managing of cloud infrastructure, leading to developing sustainable solutions to business problems and helping businesses gain more from migrating to the cloud.

Wealth of experience working in private and public sectors across the full Systems Development Life Cycle, with Strong analytical skills and extensive knowledge of SQL queries and building scripts that transform user needs to viable products. Committed to optimizing cloud services for efficiency, security, and scalability.

Top class leadership skills and extensive stakeholder management experience, often leading and managing work streams, multi-disciplined teams, and suppliers. A confident communicator who works effectively on own initiative or as part of a team, contributing to organization goals and objectives.

EXPERTISE

- Cloud Platforms: AWS, Azure.
- Cloud services: EC2, S3, RDS, Lambda, VPC, IAM
- Containers and Orchestration: Docker, Kubernetes
- Automation Tools: Terraform, Ansible, CloudFormation
- CI/CD Pipelines: Jenkins, Travis CI
- Scripting: Python, Shell, Power Shell
- Monitoring and Logging: CloudWatch, ELK Stack
- Networking: VPN, Direct Connect, Route 53
- Proficiency using GIT for source control.
- Stakeholder Management
- Workshop Facilitation

TECHNICAL SKILLS

- Strong databases skills, relational databases, SQL Server, AWS Aurora, DynamoDB
- Expert in R, Python and MATLAB
- Excellent grasp of Microsoft Packages such as Access, Visio and strong excel skill (KPI Dashboards & Scorecards)
- SharePoint

WORK HISTORY

PRINCIPAL SOLUTIONS ARCHITECT

HMO

NOV 2022 – PRESENT

- Lead the design and implementation of AWS-based solutions for clients, optimizing performance, cost, and security.
- Collaborated with cross-functional teams to develop and implement cloud migration strategies.
- Managed and maintained cloud resources, ensuring high availability and reliability.
- Implemented CI/CD pipelines, resulting in a 35% reduction in deployment time.
- Developed infrastructure as code using Terraform, enhancing automation and scalability.
- Conducted security audits and implemented best practices, ensuring compliance with industry standards.
- Provided technical leadership and mentoring to junior team members.

DEVOPS ENGINEER

NHS ENGLAND

SEPT 2020 – NOV 2022

- Designed and implemented AWS architecture for various applications, resulting in improved reliability and scalability.
- Led a team of cloud engineers, providing technical guidance and support.
- Implemented monitoring and alerting systems, reducing system downtime by 20%.
- Participated in client meetings to gather requirements and present cloud solutions.
- Conducted regular performance and cost optimization reviews, saving clients up to 15% in cloud expenses.

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- Collaborated with the sales team to prepare technical proposals and presentations.
- Help maximize profit by seeking efficient technology tools and platform for system development.
- Contributed to the development of key performance indicators and delegate aspects of research and development activities, collating information, analysing, and reporting to Heads of and other programme directors.
- Developing Policies and procedures in my day-to-day work function with an impact on the wider organisation.

SOLUTIONS ARCHITECT 2020

NHS ENGLAND/Delta Scheme

MAY 2019 – AUG

- Develop and evolve a Business Intelligence solution based on Azure new technologies to adhere with critical business needs for fast delivery and reporting to wide audience.
- Oversee the day-to-day operations of cloud-based systems, ensuring their availability, performance, and security.
- Implemented infrastructure improvements and automated provisioning processes for enhanced scalability, flexibility, and cost savings.
- Developed automated deployment processes using Atlantis and Terragrunt, while creating monitoring solutions and mitigating risks to ensure secure and high-performance cloud-based systems.
- Support the expansion and migration of services to the wider NHS England data services function. Specific responsibilities include.
 - Develop and support dataset acquisition projects into an existing Azure system.
 - Implement data model changes or data flow changes within the existing environments with minimal downtime/disruption to BAU.
 - Ensure systems are designed to meet customer reporting and quality requirements.
 - Influence the architecture and design of the Business Intelligence (BI) system.
 - Writing SQL queries to pull data from ESR, NCDR and building reports that are tailored to different stakeholders.
 - Streamline and redesign existing data Extraction, Transformation and Loading (ETL) process to improve performance, auditing, and reusability of ETL components.
 - Maintain and develop a BI reporting layer using technologies as multidimensional and tabular analysis services.

EDUCATIONAL BACKGROUND

- ⇒ AWS Certified Cloud Practitioner
- ⇒ AWS Certified solutions Architect
- ⇒ *MSc Information Systems and Business Analysis*, Aston University Birmingham (Sept. 2014 – Dec 2015)
- ⇒ Diploma in Data science, Said Business School. University of Oxford (Dec 2015)
- ⇒ *B.Eng. (Hons) Software Engineering*, University of Sheffield (Sept. 2011 – June 2014)
- ⇒ *A-Levels, Math and computing*, Highbury College Portsmouth (Sept. 2009 – June 2011)
- ⇒ Prince 2 Certification