WILSON CHUKWUKA ANORUE

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Profile

Cloud engineer with over 2 years of experience deploying, managing, and developing software architectures on AWS and GCP. Proficient in software development best practices, with more than 3 years of experience in software engineering using technologies like Express, MySQL, Node.js, Python, machine learning models, and Angular. Certified Network Engineer (CCNA), served as a mentor for GADS 2022 after completing the program in 2021, worked on various cloud computing projects using Google Cloud. Have completed McKinsey Forward's leadership program and TEF's (Tony Elumelu Foundation) business management training. Hold a B.Eng. in electrical and electronics engineering and have practical experience working with embedded systems and automation technologies. Known for quickly adapting to new challenges, a critical thinker and a problem solver.

Key Skills

- Expertise in cloud architecture, resource development, and cloud operations.
- Specialized in architecting cloud solutions optimized for security and cost-effectiveness while deploying software solutions on cloud infrastructure.
- Skilled in building and developing applications, websites, and other SaaS services using cloud computing platforms.
- Proficient in software development using Docker, Kubernetes, Terraform, Linux, and GitHub.
- Competent in various programming languages including C++, Python, JavaScript, TypeScript, Node.js, and Golang.
- Strong in network architecture and troubleshooting.
- Experience in designing and building electronic devices and embedded systems.
- Extensive experience with web frameworks, notably Angular, for web application development.
- Strong critical thinking and problem-solving skills with experience in design thinking.
- Proven ability in research and development.
- Adept at project and time management.
- Effective communication skills in both spoken and written forms.
- Team collaboration and teamwork.
- Knowledgeable in business management practices.

Work Experience

Development and Maintenance of web application, AssessWorth. | October 2023 – April 2024

- Developed web application using Angular framework.
- Designed cloud architecture and deployed frontend and backend software on the cloud.
- Deployed database infrastructure for seamless integration with the web application.

Mentorship for GADS 2022, providing resources and guidance to learners in the program. | May 2022 – January 2023

- Provided resources for learners in the Google Cloud track.
- Offered support to learners by answering questions and providing guidance.
- Assisted teams with project completion, offering expertise and oversight to ensure the success of their projects.

Operations and Maintenance, Transmitter Department, Delta Broadcasting Service, Warri, Delta State, Nigeria. | March 2021 – August 2021

- Operated Transmitter for Radio Broadcasting regularly.
- Carried out maintenance for transmitter as routinely.
- Monitored the operation of transmitter and other equipment to ensure successful broadcast.

Education

Completed: Bachelor's degree (BEng.) – Electrical and Electronics Engineering, Federal University of Petroleum Resources Effurun, Delta State, Nigeria. | Graduated May 2023, GPA: 3.96

Relevant coursework includes:

- Renewable Energy
- Telecommunications
- Control Engineering
- Software Engineering
- Electronics and Circuit Design

Certifications

- Bachelor's Degree (BEng) in Electrical and Electronics Engineering from Federal University of Petroleum Resources Effurun (2023).
- Certificate of Course Completion in Google Clouds from Google Africa Developer Scholarship Program (2021 and 2022).
- Cisco Certified Network Associate, fundamentals of networking CCNA1 from Cisco Network Academy (2024)
- Certificate of completion, Docker and Kubernetes: the complete guide from Udemy (2024)
- Certificate of completion, Terraform for the absolute beginner from Udemy (2024)
- Certificate of completion, Python from Kaggle (2024)

- Certificate of completion, foundation of Angular from Alison (2023)
- Certificate of completion, McKinsey Forward Program from Mckinsey and Company (2024)
- Certificate of completion, Business Management from TEF, Tony Elumelu Foundation (2022).

Relevant Projects

Design and implementation of a Vacuum Robot Cleaner | February 2022 – January 2023 | https://github.com/willie191998/robot-vacuum-cleaner-distinction-of-animate-and-inanimate

- Designed, analyzed and implemented electronic circuitry using Arduino UNO, motor driver, and electronic sensors.
- Developed code using C++ which automated specific robot motion within the environment.
- Researched and contributed to algorithms for two-wheel robots, resulting in more accurate angular rotation and straight-line motion using MPU6050.

Design of semantic search engine for website using machine learning models hosted on Hugging Face, currently deployed on website www.superearners.online | March 2023 – March 2023 | https://www.superearners.online/articles

- Designed database schema for articles and deployed database on AWS, using DynamoDB.
- Deployed backend software using AWS lambda to make requests to HuggingFace through API, selected small but accurate AI models for semantic comparisons of sentences.
- Designed the frontend interface for displaying search results.

Design and development of a dynamic website entirely on the cloud using AWS-exclusive resources. | March 2023 – present | https://www.superearners.online/

- Designed website interface using HTML, CSS, JavaScript, Bootstrap.
- Deployed website hosting environment, AWS S3, AWS Amplify.
- Designed and implemented microservice for backend logic using AWS API Gateway, Lambda Functions, DynamoDB database.

Design and development of a basic containerized web application, created and deployed following DevOps principles, and hosted on a Kubernetes cluster | April 2024 | https://github.com/willie191998/multi-pod-kubernetes-app

- Developed simple web application interface using React, Postgres and Redis
- Created Dockerfiles, docker-compose files, and .travis.yaml files for each container, and conducted tests.
- Developed Kubernetes deployment files and service files for each container, deployed them to GitHub, and verified testing through TravisCI.

- Configured AWS EKS (Elastic Kubernetes Service) for hosting the application, including persistent storage disks and load balancing. The web application was automatically deployed to AWS from TravisCI.

Developed a personal tech blog to document and share my projects, ideas, and experiences with modern technologies. | September 2024 – present | https://digitalspeed.online

- Set up hosting on AWS Lightsail instance and eventually migrated to AWS EC2 instance, enabled https, domains.
- Designed web interface using Elementor, made appropriate settings for Wordpress e.g SMTP, contact form.
- Designed and implemented backend logic for contact forms, newsletter subscription, improved search using AWS API Gateway, AWS Lambda functions, DynamoDB.