Michael Anokye
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GitHub | LinkedIn | Portfolio

SUMMARY

Solutions-focused Cloud Engineer and Full Stack Developer with years of experience in building scalable, secure, and efficient cloud-based applications. Proficient in AWS, Azure, and GCP platforms, leveraging Infrastructure as Code (IaC) tools like Terraform, CloudFormation, and Ansible to deploy and maintain cloud infrastructures. Experienced in developing RESTful and SOAP APIs, implementing CI/CD pipelines, and using tools like React.js, Node.js, Python, and MySQL. Skilled in optimizing systems for performance and scalability, ensuring compliance with FedRAMP and NIST standards.

SKILLS

- **Cloud Technologies**: AWS, Azure, GCP, EC2, S3, Lambda, CloudFormation, Terraform, Ansible
- **Programming Languages**: JavaScript (React.js, Node.js, Express.js), Python, PHP (Laravel), SQL (PostgreSQL, MySQL)
- **API Development**: RESTful APIs, SOAP APIs
- **CI/CD & Automation**: Jenkins, GitHub Actions, Docker, Kubernetes, Ansible
- **Monitoring & Logging**: Splunk, Elasticsearch, Kibana, Prometheus, Nagios
- **Database Management**: MongoDB, PostgreSQL, MySQL, DynamoDB
- **Security & Compliance**: FedRAMP, NIST, CIS, VPC, Network ACLs, Security Groups
- **Tools**: Git, GitHub, Jira, ServiceNow, Tableau, New Relic

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PROFESSIONAL EXPERIENCE

Data Storage Science – Alexandria, VA

Senior Software Engineer (Fullstack / DevSecOps) | Dec 2021 – Present

- Architected and maintained big data-driven applications using **React.js** and **Python** to meet the dynamic requirements of the US Patent & Trademark Office (USPTO), ensuring optimal performance and scalability.

- Developed and deployed custom cloud solutions across **AWS**, **GCP**, and **Azure**, utilizing services like **EC2**, **S3**, and **Lambda** to enhance operational capabilities and ensure cost-effective scaling.
- Implemented RESTful and SOAP APIs for data collection and integration, consolidating information from multiple sources and improving internal USPTO team operations.
- Designed and managed CI/CD pipelines using **Jenkins** and **GitHub Actions**, automating the deployment of cloud-based solutions and reducing operational bottlenecks by 35%.
- Automated infrastructure provisioning using **Terraform** and **Ansible**, ensuring consistent security configurations and reducing manual intervention by 50%.
- Spearheaded efforts to ensure **FedRAMP** compliance by automating security checks with tools like **AWS Security Hub** and **Azure Security Center**.

Dallas News – Dallas, TX

Senior Full Stack Engineer | Dec 2020 – Dec 2021

- Built and maintained the digital product for the newsroom using **React.js**, **Node.js**, and **AWS**, enhancing user experience and scalability.
- Automated deployment pipelines using **Terraform**, **Ansible**, and **Jenkins**, improving release times and maintaining security compliance.
- Developed REST APIs for internal systems and used **AWS services** like **EC2** and **S3** to streamline data flow and optimize application performance.
- Designed real-time monitoring dashboards using **Splunk** and **Elasticsearch** to provide insights into system performance, operational metrics, and improve decision-making.

Learn Platform – Raleigh, NC

Software Engineer | Dec 2020 – Apr 2021

- Fixed critical bugs and improved platform performance using **React.js**, **Ruby**, and **PostgreSQL**, resolving speed issues and enhancing overall user experience.
- Developed backend solutions using **Python** to automate redundant tasks, improving support issue resolution times.
- Monitored system performance using **New Relic** and **Rollbar**, ensuring platform stability and quick issue resolution.

Legal General America – Frederick, MD

Software Analyst | Oct 2019 – Dec 2020

- Developed in-house applications using **Node.js**, **React.js**, and **PostgreSQL**, improving operational efficiency.
- Automated redundant tasks using scripts and developed an error-logging system to streamline troubleshooting and reporting.

Ringo Cars & Auto Parts – Accra, Ghana

Full Stack Developer | Apr 2019 – Jul 2020

- Built and designed the company website using **React.js**, **Node.js**, and **PostgreSQL**, enabling customers to access services more efficiently.
- Collaborated with the engineering team using **Git** to develop new features and maintain product scalability.

Digital Realty – Ashburn, VA

Lead Remote Hands Technician | Jul 2017 – Oct 2019

- Provided mid-level configuration assistance with routers, servers, and switches, including **VLAN creation**, **IP addressing**, and **service turn-ups**.
- Monitored mission-critical infrastructure and diagnosed hardware and software issues to ensure data center stability and uptime.

EDUCATION

Kwame Nkrumah University of Science and Technology – BA in Geography & Rural Development | 2013

Thinkful – Full Stack Engineering Program | 2020
Skills: **JavaScript** , **PostgreSQL**, **GraphQL**, **Mocha & Chai**, **CI/CD**, **Algorithms**

CERTIFICATIONS

- **ISC2 Certified Cloud Security Professional (CCSP)** | Expires July 2027 | [Verify](#)
- **AWS Certified DevOps Engineer – Professional** | Expires Nov 2025 | [Verify](#)
- **AWS Certified Solutions Architect – Professional** | Expires Nov 2025 | [Verify](#)
- **AWS Certified Developer – Associate** | Expires Nov 2025 | [Verify](#)
- **Cisco CCNA – Routing and Switching** | Expires May 2022 | [Verify](#)

PROJECTS & VOLUNTEER WORK

- **Mentorship Program**: Founder of Kente Foundation, supporting disenfranchised children in Ghana.
- **Personal Projects**: Built a platform to teach programming and currently studying Machine Learning and AI.