

**Vivienne Owusu-Ansah**  
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**Software Developer (DevOps Engineer)**



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I am a Software Developer and Digital Educator who embraces automation over manual effort, loves coding and building network infrastructure, with a passion for the latest technological innovations, seeking an opportunity to join an Agile Software Development Engineering Team as an Automation / DevOps Engineer.

I practice DevOps culture and apply strong technical, agile, functional and analytical skills and operate with a strong sense of urgency and thrive in a fast-paced setting in order to solve business problems expediently.

With excellent problem-solving skills, problems are opportunities to improve scalability and efficiency, I have the ability to communicate effectively whilst discussing technical problems and solutions with colleagues and clients at all levels.

I am a good listener and fast learner open to learning newer technologies in order to develop the skills required to build world class applications and infrastructure for clients.

## SKILLS

- **Programming and Scripting** – JavaScript (ES6), React, HTML5, CSS3, Sass, NodeJS, Bash and Python
- **Configuration Management and DevOps Tools** – Travis-CI, Docker, Ansible, Terraform, Git and GitHub
- **AWS** - EC2, ECS, S3, KMS, Lambda, Route53, VPC, CloudFront, Code Deploy, CloudWatch, IAM, SQS.
- **Database Server** – MongoDB, GraphQL, SQLite, MySQL & MS SQL Server.
- **Integrated Development Environment** – Atom, VS Code, MS Visual Studio & PyCharm.
- **Operating Systems** – Bash, Apache Tomcat, Windows, Ubuntu (Linux) & Mac OS.
- **Testing and others** – Jest, Slack, Google Analytics, NPM, API, JSON, YAML, GraphQL and Chrome Development Tools.

## EDUCATION

January 2019	<b>The Knowledge Academy</b> Certified Scrum Master
November 2018	<b>AWS</b> Certified Cloud Practitioner
October 2018	<b>QA London</b> Architecting on AWS Certification Course
2003 – 2004	<b>University of Greenwich.</b> (PGCE in ICT with QTS)
1997 – 2000	<b>Middlesex University</b> BSc (Hons) IT with Applied Computing & Business
1995 – 1997	<b>Hackney College</b> BTEC National Diploma in Computer Studies

## WORK EXPERIENCE

### ***Full Stack Developer***

**April 2019 – June 2019 Kodiri, Bermondsey, London**

#### **Responsibilities:**

- Building a web application using HTML5, CSS3, JavaScript, React.js and Node.js.
- Creating a movies web app using react.js, JavaScript ES6+, HTML5, CSS3 and node.js, MongoDB on the backend.
- Working in teams using agile methodologies including scrum and CI tool Travis-CI.
- Used pair programming to create, code, solve problems and to help your colleagues.
- Creating Test for JavaScript and React Application using Jest (TDD).
- Collaborating using GitHub to create issues, assign to member, creating branches and pull request for other member to agree or propose changes before merging with upstream master and solving conflicts when they arise.
- Studying JavaScript skills, online and on during board challenges.
- Deploying applications to AWS, Heroku and Google Cloud Platform and updating and writing necessary script in JSON & YAML and deploying using Terraform.
- Used GraphQL to query a RESTful endpoint using express and connect to frontend.
- Using slack and Jira to work on user stories, communicate and share good practice.

### ***Educational IT Specialist***

**2014 – 2019 Rooks Heath College, Harrow**

#### **Responsibilities:**

- Worked in an AGILE team of frontend developers, Python/JavaScript developers, testers, a designer, a Product Owner, Scrum Master and a Delivery Manager on a various platform.
- Designed and developed scripts and software packages for build, deployment, testing, maintenance and monitoring using various tools.
- Ensured new systems and services deployed can be integrated to existing monitoring and management tools so that the performance of the service and deviations from normal are easily anticipated and actioned.
- Implemented microservices architecture and container orchestration frameworks using Docker and building the network infrastructure using different protocols including load balancers.
- Run critical production applications ensuring all services availability, stability, security and performance are met at all times. Where systems deviate from normal behaviour troubleshoot the issues working with 3rd parties to resolve issues and restore normal service.
- Engaged in planning projects, and forecasting technical issues relating to the performance of the system including creating and maintaining policies in Active Directory and IAM to architect new systems.
- Designed and delivered software applications to improve the availability, scalability, and efficiency of the Academy's services.
- Implemented, monitored and reported across a range of environments and platforms.
- Modified existing software configuration, upgrading interfaces and improve performance and user experience.
- Mentored sixth form students developers working on various projects.

### ***ICT Subject Leader***

**2009 – 2013**

**Bridge Academy, Shoreditch, London**

**2006 – 2009**

**Britton's School and Technology College, Dagenham**

**2004 – 2006**

**Marriott's School, Stevenage**

## Responsibilities:

- Delivering IT Training and Computer Science curriculum using a range of different channels, including classrooms, eLearning, written material, floorwalking and 1-2-1s to students and stakeholders.
- Planned and Delivered various topics as part the GCSE and A level Computer Science curriculum including networking including (topologies, infrastructure and protocols), hardware architecture, software methodologies (waterfall and agile), cyber security, software design using UML and DFD, relational and NoSQL database (including INF-3NF and EFD), data structures, cloud computing, containerisation, virtualisation, programming in python and C# and OOP using classes, inheritance, polymorphism, encapsulation abstraction, testing software.
- Responsible for planning and organising whole-school staff training and whole-school initiatives regarding virtual learning environment and using new technologies in the classroom.

### ***IT Manager***

**2001-2002 DRFOSTER LTD, Old Street, London**

#### Responsibilities:

- Provided support and training to employees of DrFoster.
- Provided database-editing capabilities from within the browser for SQL server 7.0 using ASP.NET, HTML, CSS and JavaScript. Developed client/server applications using Microsoft SQL server and Visual Basic 6.
- Produced documentation, installation guide and design specification for developers.

### ***Network Installation Engineer***

**2000-2001 DATACOM SYSTEMS LTD**

#### Responsibilities:

- Installed wired it networks for small to medium sized companies.
- Installed LAN windows server, firewalls and LAN components including CISCO router/hub.
- Established, configured and maintained an intranet and internet web sites.
- Designed, developed and maintained it training courses and modified existing ones.
- Provided training on new and existing software and analysed users training needs.
- Designed and delivered large scale IT training solutions.

## **HOBBIES AND INTERESTS**

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Hiking, Sci-fi Film fanatic, Robotics, Artificial Intelligence, Machine Learning, Cooking, Working-out and Travelling.