# Vivienne Owusu-Ansah
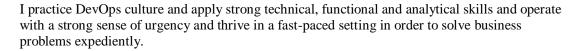www.vivienneansah.co.uk

London EN1 4SX

07960 866 447

vivienneoansah
@gmail.com

## Site Reliability/DevOps Engineer

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

I practice DevOps culture and apply strong technical, 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

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|---|---|
| January 2019 | **The Knowledge Academy** Certified Scrum Master |
| November 2018 | **AWS** Certified Cloud Practitioner |
| October 2018 | **QA London** Architecting on AWS Certification Course |
| 2003 – 2004 | **University of Greenwich.** (PGCE with QTS) |
| 1997 – 2000 | **Middlesex University** BSc (Hons) Information Tech with Applied Computing |
| 1995 – 1997 | **Hackney College** BTEC National Diploma in Computer Studies |

## WORK EXPERIENCE

*Educational IT Specialist*

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|---|---|
| 2014 – 2019 | **Rooks Heath College, Harrow** |
| 2009 – 2013 | **Bridge Academy, Shoreditch, London** |
| 2006 – 2009 | **Britton's School and Technology College, Dagenham** |
| 2004 – 2006 | **Marriott's School, Stevenage** |

Responsibilities:
- Designing and developing 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.

- Implementing microservices architecture and container orchestration frameworks using Docker and building the network infrastructure using different protocols including load balancing.
- Running of 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.
- Engage 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.
- Designing and delivering software applications to improve the availability, scalability, and efficiency of the Academy's services.
- Implementing, monitoring and reporting across a range of environments and platforms.
- Modifying existing software configuration, upgrading interfaces and improve performance and user experience.
- 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.

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