

Aaron Musa-Lucas

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Personal Statement

A Masters graduate in Software Engineering, I have operated on backend development in R studios using Virtual machine Cloudera (Linux) and have explored the technologies underpinning big data including Hadoop. For my dissertation I created a Decentralised application using Truffle-framework that is based on Blockchain to create an understanding of the business process in smart contracts using a TDD Method. I am currently exploring software development using Python, Java and CI/CD Pipelines through AWS, Kubernetes, Terraform and Docker. I am now looking for a position as a Junior/Graduate Software Developer/Engineer

Technical Skills

Languages:

Apache Hive & Pig, Python, R Studio – A great understanding in statistical and analytical tools. understanding of Big Data concepts using Hadoop and Hive. C++(OpenGL) & C#(Unity), -Mainly studied within my undergraduate which was based on Game Design

CSS, Java, Python, JavaScript, Solidity(Javascript) and Bootstrap – Used to demonstrate Business process within smart contract within Ethereum through website creation based on Metamask, which allowed me to understand Full stack application creation Process. Java Development using algorithm.

Systems: Knowledge in both Windows and Linux. Software testing and building of computers. Data processing, **Applications:** StarUML, Hadoop, NetBeans 8.31, IntelliJ, Cassandra, VS studio code, Flask, knowledge in Blockchain, Node.js, MS Office, Smart Contracts(solidity), AWS(Basic), OpenGL, Unity, Audacity, 3DS Max and UE4. AWS: CloudWatch, Cloud computing, lambda, CloudFormation, IAM, Storage & CodePipeline. Selenium, GIT, Jmeter, Jenkins, Kubernetes, Docker and Terraform

Relevant Work Experience

Junior/Grad DevOps Engineer: Capita Novus Grad Programme

March 2020-Present

12-week programme, consisting of learning JMETER, Jenkins, Git Version Control, Cloud computing and AWS tools such as Lambda, Services, Cloudformation, CodePipeline and with this information I'm able to implement this knowledge into a real-world application using both CI/CD tools

- Maven and Selenium used for automation allowing the access of e-commerce website just how someone would use that website for personal use. Understanding of software testing techniques through manual testing. Use of CI/CD within Jenkins to gain an understanding of DevOps. Deploying EC2 servers within AWS using services such as ELB, S3, IAM, Elastic Beanstalk and VPC. demonstrating my knowledge using Kubernetes, Ansible and Docker

Trainee Software Developer: Sparta Global**April 2019-June 2019**

· Created a shopping system for users to buy items or remove them from the shopping list, requiring an understanding of different sort methods. Using Java for SDET and Manual scripting while on the Graduate Scheme

Intern Software Engineer: Akkiba LTD**August 2018- Oct 2018**

- Worked on domains such as Recommender Systems, churn Modelling and Image recognition. Using analytic techniques by gathering and analysing information, design and code. Developed, maintained and supported algorithms by creating analytical models and testing the hypotheses. Implementing data mining strategies on larger datasets
- Conducted research, data exploration and discovery by developing prototypes and proof of concepts that enhance their systems and process through their methods and standards.
- Documentation of code within Python and using SVM, random forest tree, Apriori and Eclat. Learned to use Python within Machine Learning such as Numpy, matplotlib and panda.

Intern Software Developer: TYCO ADT Sunbury**August 2015- August 2015**

- While Working alongside Software Engineers and Developers, I was responsible for creation of the design and making of a flow chart to track heat signatures using a machine that was programmed in C# to create the application. Used my initiative and problem-solving skills to complete the project successfully within a challenging timescale.

Door Supervisor: PSS & Tclass Jan 2018- April 2020

Part-time working as a door supervisor in various clubs. Responsible for escorting difficult guests out of the premises. Monitoring behaviour and de-escalation techniques to defuse difficult situations

Education and Qualifications

University of West London: MSc Software Engineering**Jan 2017 to Nov 2018**

Modules:- Advanced topics in Software Engineering, Fundamentals of Cyber Security, Knowledge Management, Data Architecture, Mobile Web Development, Dissertation- Understanding the Use of Business processes through Smart Contracts

Staffordshire University: BSc (Hons) Computer Games Design and Programming**2013-2016**

Relevant Modules: Game Engine Creation, Rapid Games Prototyping, 3D Game engine and scripting, Advanced Game 3D Modelling

South Thames College: BTEC Level 3 ND Games Development.**2011-2013****Raynes Park Sixth Form: IT BTEC Certificate (Pass)****2010-2011****Raynes Park High School: 5 GCSEs A-C including B Maths and C English****2005-2010**

I enjoy going to the gym and powerlifting. Learning Python through creating projects for Raspberry Pi. References will be provided on request.

(Github) <https://cyborgaaron.github.io/AaronMusaLucas.github.io/>