

Mr. KWAME AKUFFO

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PROFILE

Versatile and highly analytical Data Software Engineer with extensive Automation, Requirements Engineering, Risk Management, Agile Processes, Agile Practices, Information Governance, Project Management, Software Testing and Automated ETL process validation. Prepare and execute test case scenarios and provide progress reports regarding process tests. Analytical and methodical, stays current on the latest thinking and techniques, continually looking for improvement. Very comfortable with a high degree of accountability decision making responsibility. Competent to set the precedent and well versed in influencing others through leading by example and being an advocate for best practice.

ALMA MATER

Brunel University | Oxford University, Kellogg College | Oxford Said Business School

TRANSFERABLE EXPERTISE

Leadership: Strong critical decision making, motivating, team building, delegating and monitoring quality

Project Management: Understand project management methodologies and approaches, check feasibility and working out budgets, teams and resources; set goals, defining roles and producing schedules of tasks.

Stakeholder Management: Work and collaborate with multiple stakeholders, taking initiative and engaging with teams to achieve successful project outcomes

Business Analysis: Identify opportunities and implement detailed strategies to support effective transformative change. Implement set of practices and processes that lead to development of a set of well-formed business requirements from which business solutions can be developed.

Requirements Gathering: Expertise in utilising a variety of investigative techniques to elicit information from stakeholders and develop ways to manage their interests and expectations.

Technical Skills: DevOps tools ecosystem: Gitlab, Git, Jenkins, Junit, Spock, Docker Atlassian (Bitbucket, Confluence), slack, Maven, Gradle. Jenkins, Maven, and Git cucumber, Junit, Java, Shell Scripting XML, Java, Shell Scripting, JSON, SQL. Cloud technology and AWS services, Cloud Storage (S3), Infrastructure (Lamp stack)

Object Oriented Programming: Java, Python

Operating Systems: Significant hands-on experience with Windows Vista, XP, 2000, Linux, Mac OS, UNIX, X Windows.

Protocol: POP3, SMTP, IMAP, SOAP, TCP, IP.

Development process: hands-on experience with Agile, V Model, Waterfall Model, Extreme Programming and RAD.

Browsers: Significant hands-on experience with, Chrome, MS Internet Explorer, Netscape, Firefox.

Data Base: Recent hands-on experience with MS Access, MS SQL, Oracle, Toad.

Programming language: Significant hands-on experience with SQL, Java, C and Perl.

Test Automation Tools: Significant hands-on experience with Selenium, Jwebunit, HTMLUnit, HP WinRunner, Oracle Application Testing Suite and e-Load, soapUI, Apache jmeter.

Development tools: YSlow, Firebug, Chrome Developer tools.

Test Defect Tracking Tools: Experience with Compuware trackrecord, JIRA, HP Quality Centre.

Enterprise resource planning: Significant hands-on experience SAP R/3

IDE: Significant hands-on experience Eclipse, ActiveState Komodo, Microsoft Visual Studio 2008.

Application Server: Significant hands-on experience Silver Stream, WebLogic Server (BEA), JBoss. (Red Hat)

Portal Applications Software: Significant hands-on experience Epicentric Foundation Server.

SDP – Models: Hands on Experience with the following types of Software Development Processes.

ETL Tools: Knime, DataStage,

KEY SKILLS

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|--|----------------------------------|
| • Critical thinking | • Agile/Scrum |
| • Process modelling | • Data extraction |
| • Data mining | • Scripting |
| • Project scheduling, rollout and delivery | • Change management |
| • Data storage and processing technologies | • Cross-functional collaboration |
| • Testing | • Data management and reporting |

EMPLOYMENT HISTORY

Sep 2018 – Mar 2019

Data Software Engineer – EDF Energy

- Supported with the delivery of EDF flagship energy project by setting up ETL process, defining data extraction, creation, anonymization for AWS S3 stored client asset data
- Define API data mapping to load cloud based thingworx IoT platform
- Developed a data analysis pipeline for ETL process (producing preliminary data report), using Python Luigi library to load datasets for EDF analytics team to perform trading of National Grid responds to demand predictive analytics
- Establish Agile processes to support API development, introduced, implemented ETL process, introduced validation for data quality dimension, introduced, and implemented automation to support data quality dimension validation
- Designed and delivered training to the team relating to scripting tools, and introduced BDD

Key Achievements:

- Continuous integration, Automated BDD process validation, ETL process (Python Luigi, Pandas), data quality dimension

Nov 2017 – Sep 2018

Automation Consultant Software Engineer – UK Government Project

- Tasked to realign clients Test process to integrate continuous integration
- Defined Agile process
- Implemented BDD Automation and developed BDD Scenarios
- Realised a BDD automaton framework for client with JavaScript, Protractor, Jasmine JS for Acceptance testing automation, Realised CI for client using Jenkins, npm, and GitLab for a government product called SearchLight
- Enabled client to integrate Jenkins build server with GitLab and slack
- Defined a code release process for client
- Collaborated with clients to develop objective compliance automation tests for well-defined use-cases
- Liaised with clients to define, develop, and implement CI for all components of SearchLight backlog scenarios/test

Key Achievements:

- Continuous integration; Automated BDD process validation

Mar 2017 – May 2017

Consultant Automation Software Engineer Finance Project – Nomura

- Carried out analysis to define Test management processes; defined BDD process, implemented BDD Automation and developed BDD Scenarios
- Realised a BDD automaton framework for client using Java, Cucumber, Junit for coding automation and realised CI for client using Jenkins, maven, and GitLab for a financial product called Symphony
- Supported clients to migrate repository from SVN to GitLab
- Defined a code release process for client
- Gained knowledge of clients' needs to define objective compliance automation tests for financial regulatory use-cases
- Worked with clients to define, develop, and implement CI for all product-backlog scenarios/test

Key Achievements:

- Continuous integration; Automated BDD process validation

Jul 2016 – Oct 2016

Consultant on Airline Project – Reply Ltd

- Utilised expertise to define and improve Test data management process
- Supported end-client implement and maintained two automation solutions for API automation, and Web UI automation
- Developed and implemented solutions for Web-UI required webdriver, java codebase
- Led efforts to refactoring code to meet page object design pattern to enable test teams to collaborate and work effectively
- Used IntelliJ IDE, with groovy plugin to developing automation code, and used gradle as the build tool with IntelliJ
- API solution focused on use of SOAPUI, and groovy scripting
- Provided solutions for managing test data, and for improving the automation process
- Implemented effective testing techniques for API, focused on means of testing API with variation in header parameter

Key Achievements:

- Continuous integration; Automated ETL process validation

Jan 2016 – June 2016

Automation Manager – Ericsson

Oct 2014 – Aug 2015

Data Engineer Lead – Dentsu Aegis

Mar 2014 - Sep 2014

Automation Lead – TomTom

Apr 2013 – Aug 2013

Automation Consultant – Shop Direct

May 2012 – Nov 2013

Automation Consultant – Press Association

May 2011 – Apr 2012

Automation Consultant – A.P Moller, Maersk

Jul 2010 – Feb 2011

Automation Consultant – Google.com

Aug 2008 – Jun 2010

Winrunner Automation Engineer – Amdocs Pretoria South Africa

Sep 2006 – Jun 2008

Test Manager – Cantor-BGC, Docklands London

ACADEMIC EDUCATION

MSc Software Engineering – Kellogg College, Oxford University, UK (PASS)

BEng Engineering – Brunel University, UK

EXECUTIVE EDUCATION

Oxford Fintech Programme | Saïd Business School | Oxford Saïd Certificate

Module 2 - Tools for innovators

Module 3 - The future of money

Module 4 - The future of markets

Module 5 - The future of marketplaces

Module 6 - Infrastructure and Regtech

Module 7 - Proptech and real estate innovation

Module 8 - Frontiers of financial innovation

Project on FinTech data platform

Oxford Fintech Lap | Oxford University | December 2019

Awards

National Technology Awards Best Public Sector Project