**Alexander Adu-Sarkodie**

**Managed Services Development Manager**

**Keytree**

**Profile**

* LinkedIn - [www.linkedin.com/in/alexander-adu-sarkodie-063b4b4a](http://www.linkedin.com/in/alexander-adu-sarkodie-063b4b4a)

**GitHub**

* <https://github.com/kukuu?tab=repositories>

**Key Technologies**

* <https://github.com/kukuu/worldlabs>

**Architecture**

* White Paper - <https://github.com/kukuu/AGILITY/tree/master/white-paper>

**Blog**

* Agility - <https://github.com/kukuu/AGILITY>
* Digital Transformation - <https://github.com/kukuu/digitalTransformationStrategies>
* Multi-speed IT Strategy - <http://www.goldhawk-college.com/istudio/tech-delivery.html>
* Managing Performance - <https://github.com/kukuu/managing-performance>

**Project portfolio**

* Jaguar Land Rover - <http://www.jaguarlandrover.com/>
* Specsavers - <https://www.specsavers.com/>
* Sony PlayStation 2017 - <https://www.playstation.com/en-gb/>
* Flix Premiere (Online Cineplex) - <https://flixpremiere.com/>
* Marks & Spencer - <https://www.marksandspencer.com/>
* Daily Mail Group (Wowcher) - <https://www.wowcher.co.uk/deals/london>
* BBC iPlayer - <http://www.bbc.co.uk/iplayer>
* BBC Mobile - <http://m.bbc.co.uk/>
* BBC Learning - <http://www.bbc.co.uk/learning/>
* BBC Weather - <http://www.bbc.co.uk/weather/>

**Experience**

Alexander is a Computer Systems Engineer, Digital Transformation Specialist, and an Academic with 20 years of industrial and academic experience. He has extensive experience in full life cycle software development. Haven worked in various Engineering roles. Namely; Software Engineer, Senior Software Engineer, Tech Lead, Software Development Manager, Head of UI Engineering and Head of Development.

He is also a part-time Visiting Lecturer in Business Computing and Digital Transformation.

A Developer and engineer at heart he loves turning difficult problems into elegant and simple solutions and to this end likes to input into and add value to the technology and solutions his teams design, build and support. He is collaborative, team player and likes to lead by example.

One of Alexander’s achievements in the past was helping with the digital transformation of Marks & Spencer’s online eCommerce platform from a disparate monolithic one to an MVC omni-channel, and contributing to developing its mobile iPad platform. He was also instrumental in building cross functional high performance software engineering in-house teams for Marks & Spencer’s eCommerce online platform in the UK and in New Delhi, where he had responsibilities in addition. At Marks & Spencer, he employed and line managed 47 Engineers. Establishing Continuous Integration, Delivery and Deployment. Helping in the formation of the DevOPs, CI pipelines and Agile Product teams.

Alexander also worked on the BBC News Interactive Platform, the iPlayer and on the first British Broadcasting Corporation (The BBC) Mobile platform whiles at the Corporation. Vanilla JavaScript was the de-facto programming language used by the BBC during his time there.

Knowledge Sharing, Strategic thinking ,Scalability, Performance Management,Code Reviews, People Management, Budgeting, Project planning and execution, Cyber Security and data protection (GDPR) are areas he pays attention to in any Software Development Life Cycle, which are at the heart of the product features he heads to build.

His duties also includes client facing and stakeholder management, setting up KPIs and other metrics for the engineering teams, and also reporting to technical management and directorship. Alexander’s position also revolves around working with both internal and external stakeholders, suppliers both home and abroad.

Alexander embraces being hands on or hands off his duties. Always keen to roll up sleeves if required. Leading by example. In his spare time, he runs JavaScript and digital transformation computer programming workshop sessions in selected Institutes of Higher Education across London.

**Key Skills & Responsibilities**

Alexander provides Line Management, strategic planning, strong technical leadership, architectural direction, development initiatives for project execution, timeframes for review and releases, development of engineering talent, project management and managing SCRUM development teams. Using innovative technologies and Lean Agile Engineering principles. Very keen in identifying deficiencies in the collective technical expertise, and infrastructure of the engineering department, with view to recommending and implementing solutions.

Alexander’s programming experience is FULL STACK. Both UI and Server Side API Technologies including Isomorphic JavaScript, PHP, XAMPP/LAMP, Object Oriented Programming, Databases, the NodeJS, Apache platforms, Cloud Systems, Micro-services and Enterprise Solutions - <https://github.com/kukuu/worldlabs> . He enjoys code writing, and maintains an active and living Github software repository - <https://github.com/kukuu?tab=repositories> .

**Achievements**

* Technical Lead for Tablet Platform – Marks and Spencer. Promoted to Software Engineering Manager after successful development and release.
* Marks & Spencer’s Mobile Platform migration from Usablenet monolithic to a Responsive MVC omni-channel platform.
* Established Marks and Spencer’s first in-house Software Engineering Team. Recruiting forty seven Software Engineers.
* Worked in the   Developer Team, that delivered the first BBC News Mobile Platform ([m.bbc.co.uk/](http://m.bbc.co.uk/) - March 2011). Built templates and logic   to inject and expose Web Services data for Most Popular and Top 10 stories from a RESTfull API (Zend Framework – PHP5).
* Researched, prototype, and delivered the implementation of SMS, MMS protocols for the new BBC news mobile platform.
* Researched and recommended Best Practices for Compression of Images, Styles and Scripts (November 2009) - Future Media, BBC White City, London. It includes techniques like SPRITES, CSS3 RGBa support,PNG8 Alpha Index support,  Caching Strategies, G-Zipping, their leveraging and optimisation, and Risk Analysis.
* Provided consultation to the development and deployment of the “Send to a friend” module on the BBC iPlayer (2007).
* Developed and launched the first Red Button Application for Hull City Centre  whiles at BBC News Interactive, White City - London. Using the city’s first acquired broadband network in 2003. This was well before the BBC iPlayer.
* Worked in the Developer technical team  that delivered the rebranding of Yell to HIBU within budget and on time. This project was completed in eight weeks. Prior to this, the company had been unsuccessful in trying to achieve the re-branding in three years.

**Projects Overview**

***Jaguar Land Rover, Vodaphone, Freshfields, GLA - Keytree***

Leading the Development, QA and Platform Teams in the Managed Service Area in full lifecycle development and support of innovative, creative and fully-customised solutions, and digital transformation projects for commercial customers. Transitioning application support of the eCommerce Enterprise Platform portal for Jaguar Land Rover, Vodafone, BP, Greater London Authority and Freshfields from projects delivery to managed service.

***Insight - Ernest & Young***

Led the Technical Development team of Ernest & Young’s Statistical insight Market Reporting Software that queries large datasets about  various companies operating in different market sectors, providing warnings about potential disruptors in their market.

***Kingfisher - Secgate***

Alexander led the Agile software development in the implementation of its next generation of IT security tools, The Kingfisher (A Network Forensic Tools). The Kingfisher is an API that provides integrated solution for reporting and management of transactional services by Banks and Venture Capitalists. Features of the software include, Controlled Dashboards, Charts, Heat Maps, Filters, Search, Live data update and chat services.

Secondly, Kingfisher helps clients analyse, correlate, identify and eliminate Cyber Security threats. The software tracks process and transactional activities in real time, including current data related to performance, awareness, breaches, compliance and safe governance using GDPR and other security legislations. Serving as as an enterprise immune systems to improve the longevity of it’s clients cyber security strategies. Alexander led the development of the product, whiles managing and building the team as part of its corporate vision.

***SONY PlayStation - Portaltech Reply***

Senior  UI Development Consultant  on the next generation of SONY PlayStation Platforms for Europe, United States and JA (Japan & Asia). A back office Web Application that stores, filters, monitors and smartly reviews concepts and proposal roadmaps for its games development and marketing trends in real times.

***Marksandspecer.com***

Led the digital transformation of [marksandspspencer.com](http://marksandspspencer.com) as Tech Lead and then as Software Engineering Development Manager.

**Career History**

**Jan 2017 - to date**

**Keytree**

***Head of Development Managed Services***

Responsibilities:

As member of the Leadership Technical Team my responsibilities include:

* Leading the Software Development Life Cycle, Development, QA and DevOps teams in the Managed Service area.
* Providing Line Management, strategic planning, strong technical leadership, architectural direction, development initiatives for project execution, timeframes for review and releases,
* Supporting multiple Agile teams in the eCommerce online Platform portals for clients. Namely, Jaguar Land Rover, Vodafone, BP, Greater London Authority and Freshfields
* Ensuring deadlines are met in line with business goals with time scopes and budget
* Maintain technical debt backlogs and ensure that they are continuously progressed.
* Providing technical leadership to geographically dispersed software development teams.
* Leading SPRINT Planning, estimation and responsible for ensuring code reviews, establishing best practices and taking responsibility for the code base and builds.
* Ensuring provision of credible and scalable development platforms : Supports, Automation, Reproducible, Elastic, Smooth, Traceable, CI/CD, Automated Testing, Quality Assurance, and use of best practices, and Lean Agile principles in the Software Development Life Cycle.
* Reporting on key delivery metrics including project progress and resource usage to business.
* Maximising efficiency and Managing Relationships through collaboration with stakeholders, and Performance of the Software Engineering team. Including offshore.
* Managing product backlog items (PBLi), Agile process and technical resources within project schedule. Working closely with Product Owner and Delivery Lead to gather and prioritise functional and non-functional requirements, and also manage capacity planning.
* Driving best practice to drive efficiency,boost morale, improve performance and capability
* Keeping abreast with trends in changing technologies landscape to refine the engineering teams, governance and making decisions for business to achieve its goal and becoming competitive.
* Responsible for assigning engineers to teams, Hiring, Training & Development of the Software Engineering teams,Competence Matrix Evaluations.
* Career counselling managing expectations, 1-2-1, appraisals, mentoring and coaching Software Engineers.
* Working with third parties to supply required resources for projects
* Managing expectations, setting KPIs for the engineering teams, mentoring and coaching Software Engineers.
* Ensure Service Level Agreements, contractual agreements, privacy and policies are not violated or compromised by the development teams.
* Working with Platform and Release Management teams to ensure completion of process life cycle and delivery of product, lead trouble shooting sessions, and engage with customer concerns, and after care support.
* Gather and prioritise functional and non-functional requirements from across the business, and maintain a prioritised backlog of features.
* Working closely with UX and Product Owners to define user journeys, interface features and also algorithms. Ensuring designs are extensible and comply with standards and follow principles of KISS.
* Ensuring technical documentation are constantly reviewed to support development and training, on-boarding new Engineers.
* Responding to customer feedbacks through remedy procedures by working with Product Owners and UX team to estimate, build prototypes from design ideas to drive conversion and AB/MVT

Technologies & Platform: Node.js SAP, ExtJS, SQL, Apache, AngularJS, REACT, Apache, BASIS, ABAP, JAVA, Micro-services, SOA, Team City, CI,CD, Docker, AWS, CISCO.

**October 2015 – Jan 2017**

**Secgate**

***Head of UI Engineering***

Secgate is a specialist security advisory and technology innovation group. Secgate builds, implements and manages next generation of IT security tools to help clients analyse, correlate, identify and eliminate Cyber Security threats. Our clients use our software as enterprise immune systems to improve the longevity of their cyber security.

Alexander is responsible for leading the business's global dominance and development of Network Forensic Tools.

Technologies & Platform:: OOJS, REACT, REDUX, NodeJS, RESTful API, Charts, WebSocket, Socket.io, JWT, 2 Factor Authentication, AXIOS, MongoDB, GraphQL, JAVA, ApacheMQ, SCALA,SPRING.

Responsibilities

* Leading SPRINT Planning, estimation and responsible for code reviews, establishing best practices and taking responsibility for the code base and builds.
* Managing Relationships with stakeholders, and Performance of the Software Engineering team. Including offshore.
* Managing product backlog, Agile process and technical resources within project schedule. Working closely with Product Owner and Delivery Lead to gather and prioritise functional and non-functional requirements.
* Providing architectural and technical direction and leadership across project teams within the business portfolios.
* Driving best practice, ensuring Training & Development of the Software Engineering Team
* Ensuring provision of credible development platforms, CI, Automated Testing, Quality Assurance, Build processes & Architecture, Tools for the teams and use of Best Practices in Agile development and Software Development Life Cycle (SDLC).
* Reporting on key delivery metrics including project progress and resource usage to business.
* Working with third parties to supply development and content resources for Secgate
* Managing expectations, mentoring and coaching Software Engineers.
* Responsible for staffing and developing technical electronic assessment materials for hiring engineers

**July 2012 – September 2015**

**Marks and Spencer**

***Software Engineering Development Manager***

Responsibilities:

Initially appointed as Tech Lead for the digital transformation of the company’s eCommerce platform, and then to become Software Engineering Manager.

As member of the Leadership Technical Team at Marks and Spencer’s e-commerce platform my responsibilities included:

* Managing Relationships (60%) and Performance of the Software Engineering team. Including offshore.
* Providing hands on technical delivery (40%) and leadership across project teams within the business portfolios.
* Responsible for ensuring Training & Development of the Software Engineering Team – Marks & Spencer.
* Serving as Agile Coach, Advisor and continuously aligning team to business mission.
* Ensuring provision of credible development platforms, Automated Testing, Quality Assurance, Build processes & Architecture, Tools for the teams and use of Best Practices in Agile/Waterfall development and Software Development Life Cycle (SDLC).
* Reporting on key delivery metrics including project progress and resource usage to business. Working with Platform and Release Management teams to ensure completion of process life cycle and delivery of product and engage with customer concerns.
* Working with offshore and third parties to supply development and content resources for M&S.com
* Career counselling managing expectations, 1-2-1, appraisals, mentoring and coaching Software Engineers.
* Developing technical electronic assessment materials for hiring engineers
* Worked on building the Tablet platform. Features I personally built included global navigation system, and the MyAccount area for supporting Loyalty Schemes.
* Driving best practice to boost morale, making decisions for business to achieve its goal and becoming competitive.
* Leading the Software Engineering teams in six product areas of the business’s e-Commerce platform ([marksandspencer.com](http://marksandspencer.com/)).
* Managing technical resources within project schedule. Gather and prioritise functional requirements from across the business, and maintain a prioritised backlog of features.
* Working closely with UX and Product Owners to define user journeys, interface features and also algorithms. Ownership of tasks, manage backlogs, code quality and assist QA group in evaluating tasks.
* Responding to customer feedbacks by working with Product Owners and UX team to estimate, build prototypes from design ideas to drive conversion and AB/MVT
* Keep abreast of new technologies, and refine team.

Technologies, and Development Practices: JavaScript, JavaScript OOP, AngularJS, NodeJS, GULP/GRUNT, MySQL, XAMPP, BackboneJS, jQuery & jQuery Mobile, PHP, OOPHP (PHP5), BDD, TDD, HTML, HTML5, Bootstrap, Jenkins, GIT, CSS3, LESS, SASS, Responsive Design & Mobile Design, Lean Agile Development, Continuous Development, Continuous Integration.

**April 2011– July 2012**

**Daily Mail Group (Projects: Wowcher & Gamification)**

***Technical Lead***

Responsibilities

* Led the Technical Team in Redesign of  [wowcher.co.uk](http://wowcher.co.uk/) . A high volume e-Commerce website with 4 million unique users per month for Mobile, Tablet and Desktop platforms.  Particular areas I was involved in were adding Gamification and Loyalty Schemes to the site to reward customers.  Other features I worked on included adding personalisation, shopping basket to improve user experience for online, AB/MV Testing and tracking of user behaviour and events through clicks for Analytics and business interpretation.
* Worked in an Agile/ SCRUM environment in a multi-disciplinary team of Developers, Designers, Technical Architects, Business Analysts, and Test Engineers.
* Active participation in initial project life cycle. Providing development input and direction for defining design and technical architecture, frameworks, technologies, specifications, dependencies and estimation, Code Reviews. Gathering functional and non-functional requirements for business processes. Establishing Best Practices. Client facing.
* Translating functional and design specifications into structured, consistent semantic, re-usable, resilient, robust and light-weight templates for Mobile, Tablet and Web platforms.
* Team development, task scheduling, maintaining production deadlines and mentoring.
* Using Open Source Technologies, and W3C specifications to build re-usable templates, that are platform independent, and Cross Browser Compatible.

Technologies, and Development Practices: JavaScript, Knockout, .NET, eJS, GULP/GRUNT, MySQL, XAMPP,, jQuery & jQuery Mobile, PHP, OOPHP (PHP5), BDD, TDD, HTML, HTML5, Bootstrap, Hudson, GIT, CSS3, LESS, Responsive Design, Lean Agile Development, Continuous Delivery

**January 2000 – April 2011**

**British Broadcasting Company (BBC)**

Positions held:

* ***Senior Software Engineer***
* ***Senior Client Side Developer***
* ***Interactive Developer***

Projects:

News - BBC Mobile Platform:  <http://m.bbc.co.uk/news>

Learning – The National Curriculum, Great Britain:  <http://www.bbc.co.uk/schoolradio/>

iPlayer – <http://www.bbc.co.uk/iplayer>

BBC News Interactive - Hull Centre , Broadband Interactive TV Platform

Responsibilities, Technologies and Platforms

* Working as a Developer my roles involved translating functional and design specifications into consistent and high quality web based interface using open source complex, resilient, robust, re-usable, and light-weight well-structured semantic HTML applications for Factual, News, Sports, Learning, Entertainment, Drama & Arts ,Third Party integration applications against RESTful web services for Web, Mobile and InteractiveSmart TV platforms. Using a variety of client  and server side  technologies to enable a better user experience.
* Assist Production Staff on technical issues, and suggest alternative ways of doing things.
* Adopting and promoting best practice methodologies. Both usability and performance.
* Working with Stakeholders to collect, understand, organise and document business requirements (functional and non-functional) for products, projects and features.
* Maintaining production deadlines and presenting completed work to internal stakeholders
* Keeping abreast of new technologies and improving internal systems.
* Programming Languages & Technologies: iPlayer, MVC Framework (PHP5 – Zend Framework), PHP,  HTML, XHTML, HTML5, CSS2/CSS3 & Media Queries, LESS,  Responsive Design, CSS 2/CSS3 & Media Queries/LESS CSS, OO JavaScript, Native JavaScript, AMD, Flash Embed, BDD, TDD, AGILE, JQuery, JQuery Mobile, Lazy Load Techniques, AJAX, JSON, XML, RSS, XSLT, iPlayer, XAMPP, SEO Techniques, Photoshop, W3C Standards, CMS, XAMPP, LAMP, AKAMAI,  Windows, Apache, PHP.
* Continuous Integration: QUNIT, SVN, GIT, Tortoise, Eclipse,  JIRA, TRAC, Confluence. AGILE, Waterfall, Code reviews, Microsoft Suite.

**JAN. 1999 - to date:**

***Visiting Lecturer – Business Computing - The City Literary Institute (<http://www.citylit.ac.uk/> )***

Subject Area:

* JavaScript and JavaScript Frameworks

Coverage

* Emerging Technologies
* Digital Transformation
* Best Practices

**FEB 1997 - JAN, 1999:**

***Data Mining Engineer (Intern) – Ford Motors, Enfield***

Investigated and improved the accessibility of Ford Motors production delivery procedures. Converting into a paperless environment and moving daily engineering tasks into a stable content management web based platform.

The application provided, SEARCH, FILTERS, REPORTS, and run time updates and communication between management and the engineers on the floor.

The division successfully passed an external audit for ISO certification, following the implementation of my work, which was part of my MSc Thesis in Data Mining.

**Technologies:**

* Data Binding
* JAVA
* SQL/PL
* CSV
* JavaScript
* HTML
* CSS

This is what John Cox, Plant Manager, Ford Motors Enfield, Middlesex London had to say whiles I worked there:

*‘’ I had the pleasure of working with Alexander during his period here at Ford Motors in Enfield as an internship student. Alexander did an outstanding job in his assignment. He carefully planned out his strategy, investigated problem areas and communicated his actions effectively. He quickly became an integral part of our team very quickly and participated in other activities outside of his area of expertise to further enhance his time here.*

*The project Alexander completed has been successfully implemented. With his assistance, we successfully passed an external audit for ISO9000 certification and have established a new benchmark that other areas of our location globally will be following - John Cox, Plant Manager’’*

**Qualifications**

* MSc Telematics (Informatics & Telecommunications) - School of Electrical & Electronic Communications, Dept. of Computer Science, Middlesex University, London.
* MSc Engineering - Belarus State University, Minsk.
* Diploma Russian Language - Minsk, CIS
* Teacher Training Certificate (Adult Education) - UK.  The City Lit Institute - London.

**Membership Professional Bodies**

* Member British Computer Society (MBCS - UK)
* Member Institute of Learning (MIfL -  UK)
* Associate Member Institute of Engineers (AMIEng - UK)

**Other -** Bi-lingual, fluent English, Russian and conversational French.