Leslie Owusu-Appiah

Web and Native Application Research and Development

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Introduction

Full-stack developer with 16 years of industry experience, specialising in digital transformation, research and technical project leadership of teams. Actively contributing to open source efforts in creating accessible tools for peer to peer and the decentralised web.

Recent and Notable Work
Brief descriptions of recent and notable work

Open Nation - Technical Architect
(via Class 35)
November 2020 - present

Technical planning and development of an open platform which gives over 5 million small businesses the ability to engage with and offer their services to large, multinational organisations on creative and technical briefs (such as MasterCard; Open Nation's launch partner).

Highlights: Infrastructure as code with Pulumi, Amazon API Gateway, EBS, ECS and RDS Web Services, TypeScript, Next.js, React, Vercel, Serverless Functions.

Unicard Smartmobility - Consultant/Lead Developer
(via Humancrafted)
June 2020 - November 2020 (ongoing consultancy)

Ideation, development and planning of the UK's first GBFS and MDS mobility platform that to assist with local councils and city planning for The Department of Transport.

Highlights: AWS Timestream, GBFS, MDS, TypeScript, Pulumi.

Trayport - App Development Coach
(via Novoda)
August 2020 (future consultancy)

Software development coaching, research and development strategy and technical evaluation for Trayport's technical leadership teams.

Highlights: Development coaching, React Native, TypeScript, Expo, Turtle CLI.

Expertise

Languages

JavaScript and TypeScript
Go
HTML5, XHTML
CSS

Analytics and Data

GraphQL
MySQL, Postgres and SQLite
MongoDB
Hypercore and DAT
Matomo

Technologies

Node.js
React
React Native and Expo
Styled Components
Styled JSX
Gatsby and Next.js
Express
ethers and web3
Redux and Recoil
Jest

Infrastructure

Amazon Web Services
Digital Ocean
Pulumi and Terraform

Tools

Git
GitHub Actions
Webpack

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Work History
Complete work history

Technical Director - localhost %
January 2020 - present

Projects include: Mitsubishi MiPulse (at Critical Mass), Open Nation, Unicard Smartmobility and Trayport development coaching (see page 1).

Fullstack Developer - ustwo
March 2020 - April 2020

Initial development of backend infrastructure for Joe Wicks' Body Coach.

Technologies: AWS, AWS AppSync, Contentful, JavaScript/TypeScript, Terraform.

Senior Software Engineer - Axate
June 2019 - February 2020

Implementation of Axate's web and AMP wallet.
Projects included: Reach Plc and Wall Street Journal.

Technologies: AMP, AWS, Braintree, Jest, Mixpanel, Preact, React, Redux.

Technical Consultant - Genflow
March 2019 - June 2019

Principle developer of Genflow's Matomo analytics platform.
Projects included: Anthony Joshua and Grace Beverley.

Technologies: Apollo GraphQL, AWS AppSync, Docker, JavaScript, Gatsby, React, React Native, Matomo, Netlify, Next.js.

Senior Software Developer - Fidelity International
October 2018 - December 2018

Greenfield development of Fidelity's new End Investor Android application.

Technologies: Apache Cordova, Ionic Native, Java, JavaScript, Jest, React, React Native.

Senior Developer - Bauer Media
June 2018 - August 2018

Returning as a consultant developer on Project Rosecomb.

Technologies: DADI, React, Redux Sagas, Node.js, TypeScript.

Expertise (continued)

Editors and IDEs

VSCode
micro
Xcode
Android Studio

Services

GitHub
GitLab
BitBucket
JIRA
Trello

Creative

Figma
Sketch
Adobe CC Photoshop
Adobe CC Illustrator
Adobe CC XD

Intermediate Knowledge
Other languages and technologies

Bash, C/C++, C#, Java, JSON, Objective C, TVML, PHP, Pug, Python, Processing.js, Solidity, Swift, VTL and XML

Choo, D3, jQuery, Three.js, Ractive, RequireJS, Svelte and Vue.js

Apache Cordova, Hardhat, Jenkins, OpenX, Subversion and Truffle Suite

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Work History (continued)

Developer - Hogarth
April 2018 - May 2018

Development on ad-tech creative management platform Hoxton

Technologies: AWS AppSync, Apollo GraphQL, Lambda, Mocha, Vue.js.

Developer - W12 Studios
February 2018 - March 2018

Development of simple promotional site and CMS for FOX

Technologies: React, Redux Thunk, Craft (Headless).

Senior Developer - DAZN
January 2018 - February 2018

Senior Developer on new Device Porting Team targeting TV platforms and big screen experiences.

Technologies: React, React Native, Ramda, RxJS, MobX, CastLabs, Apache Cordova (Android TV), Crosswalk, TAL.

Senior JavaScript Engineer - Discovery Networks/Eurosport
July 2017 - January 2018

Green-field research and development of Eurosport's 2018 Olympics VOD and live streaming video platforms and applications.

Technologies: Apache Cordova, AWS, Akamai, BAM SDK, JavaScript, React, React Native, Redux, RxJS, JWPlayer, Vue.

Technical Director - Currencies Direct
(via Hey Day Studio)
November 2016 – May 2017

Digital transformation of all Currencies Direct's websites and apps.

Technologies: Apache Cordova, Java, JavaScript, Node, Objective C, Swift.

References

George Mayou
Partner, Class35
george.mayou@classthirtyfive.com

Dominic Young
CEO, Axate
dominic@axate.com

Imran Hussain
Agile Lead,
Discovery/Eurosport
Contact details upon request

Rob Green
CTO, Monitise Create
Contact details upon request

Scott Cooper
Head of Innovation,
The Sandpit and Sandpit Labs
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Alex Smith
UX Architect, EF (Special Projects)
Contact details upon request

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Work History (continued)

Lead Developer - Bauer Media
June 2016 – November 2016

Project Rosecomb - Green-field redevelopment of all 59 UK radio properties' digital platforms including Absolute Radio, Magic and KISS.

Technologies: DADI, Dust.js, JavaScript, MongoDB, Node.js, RequireJS.

Consultant - Giantsource
April 2016 – June 2016

Research and development for broadcast television
Projects included: BBC and Dreamworks.

Technologies: Canvas, JavaScript, Node.js, Ractive, RequireJS, SVG, Handlebars.

Senior Developer - Monitise Create (now Etch)
October 2014 – March 2016

Development of Ingenico's 5000 series payment terminal OS and conception of Visa's "Momentum" proximity and location payment service. Clients included: Visa, Santander (KiTTi), Fiat, Ingenico and FIFA.

Technologies: Apache Cordova, AWS,BLE/iBeacon, EMV Wireless, JavaScript, MongoDB, MySQL, NFC, Node.js, Objective C, Ractive, React Native, WebSockets, Swift, Objective C.

Senior Developer - Sandpit Labs
December 2013 – September 2014

Research and development of iBeacon proximity and location apps and development of Waves: a social media sentiment analysis insights tool.

Technologies: C++, Chrome Extensions, Django, JavaScript, MongoDB, Node.js, Objective C, Python, Ractive, Redis.

Senior Frontend Developer (EF Labs) - EF Education First
June 2013 – December 2013

Frontend developer of EF SET - the first free online adaptive English test.

Technologies: Composer, Cork PHP Framework, CSS3, HTML5, JavaScript, MySQL, PHP, RequireJS.

Personal Projects
Self initiated research and development

Cartographer
https://github.com/localhost-international/cartographer

A decentralised web browser.

Technologies: dat-sdk, ethers.js, IPFS, React Native, Recoil, TypeScript, web3

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Work in progress

A conceptual "no-backend", peer to peer payment platform.

Technologies: Algorand, "Interledger", web3, Web Payments API

Memberships
Self initiated research and development

Brand Ambassador, Status
May 2020 – present
https://ambassador.status.im

Resuming my role as a technical evangelist, promoting and contributing to the next generation of the Web and its ecosystems with Status.

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Work History (continued)

Freelance Developer
November 2012 – June 2013

Clients included: Ballymore, Bill Amberg, Camberwell Arts, Charles Stanley Direct, Citizen Ink, Explosive Brands, Full Signal and Tempero.

Technologies: Facebook Platform, JavaScript, jQuery, MySQL, Node.js, PHP and PhantomJS.

Senior Developer - Mobile5 (now HYD)
November 2011 – November 2012

Pioneering development of interactive rich media ads that reached millions of mobile users a week and architect of analytics platform: Plus5.
Clients included: Audi, Bacardi, Boots, eBay, Honda, John Lewis, Motorola, Nikon, Samsung, Virgin and Vodafone.

Technologies: D3, Facebook APIs, Java, JavaScript, jQuery, MySQL, Objective C, ORMMA, PHP, Phantom.js, SOAP, MRAID, MMSDK, Zepto.js, MRAID, ORMMA, MMSDK, Tera-WURFL.

Multimedia Development - MulTplx (now MyPlayer)
December 2010 – October 2011

Development of big and small screen digital signage platforms Attract and Allure (now MyPlayer) used in over 50 flagship UK Orange stores.
Clients included: Fonehouse, Orange, T-Mobile, Microsoft.

Technologies: Flash, D3, HTML5, JavaScript (jQuery/LocalStorage), JSON, MySQL, OpenX, PHP.

Freelance
January 2008 – November 2010

Highlights: Indexhibit CMS, Misha Gravenor and Make Believe, JavaScript.

I.T. Officer - British Society for Immunology
September 2006 – January 2008

Highlights: Technical Lead in migration Blackbaud technologies, ASP.NET, JavaScript, PHP, MySQL.

I.T. Developer - Interac
March 2005 – March 2006

Highlights: Blosxom, JavaScript, PERL, PHP, ODBC, VB Script.

Formal Education
Self initiated research and development

Kingston College
Art and Design
2002 – 2004

National Diploma in Multimedia
BTEC Merit

Southfields Academy
1996 – 2002

GNVQ in ICT (Distinction),
Cisco Networking Academy Program