STEVE COLEMAN-WILLIAMS

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OBJECTIVES

To build user centric applications that serve both the business needs and bring joy to users.

EDUCATION

University of Wales, Aberystwyth

2007 HND: Software Engineering

Alton College

2005 AVCE: ICT

2005 AS: Computing

Robert Mays School

2005 GCSE: Mathematics

2005 GCSE: Science

2005 GCSE: English

2005 GCSE: 4 Others

CERTIFICATION/COURSES COMPLETED

Google Maps V3 certified

W3C JavaScript certified

EXPERIENCE

Ministry of Defence | Remote
Tech Lead Jan 2021 –present (contract)

Within the Defence Digital Services division, I was tasked with being the lead ReactJS developer and leading the set up a solid development framework for the entire department as well as using said framework to build a complex asset management system, whilst building their keystone project.

Utilising best practices with TypeScript, ReactJS and GraphQL the framework developed was both fast and easy to use.

Leading a small team of developers to get us to a point where developers could work autonomously yet still maintain reasonable coding standards, before a peer review happened, was an important achievement for the team.

Pulling on my experience from the DfE I implemented and integrated a certified IdAMs project in less than 2 days including a framework of protecting functionality/routes with the application.

Most recently we delivered a private beta application to Azure cloud as a team under my guidance, designing, implementing and championing processes to ensure application stability as well as a true CI/CD ethos.

Department for Education | Coventry
Tech Lead Jan 2020 –Jan 2021 (contract)

My role within DfE was to manage the team of 8 developers and testers to maintain and develop the single sign on capability for the department.

Using the latest technologies combined with the legacy system we have slowly improved the quality of the product from both a user perspective but also a technical one, increasing test coverage and development practices to industry standard practices.

The role was 50/50 hands on where my role was to be the lead developer for the high risk areas (eg security) and provide governance of those areas of development to ensure the system worked well and within required guidelines (GDS).

MAF International | Canberra, Australia
Senior Full Stack Developer December 2019 – Jan 2021 (contract/remote)

For MAF I volunteer (through my Ltd company) to be a developer to continually develop my experience in other practices and technologies.

Whilst I am only able to offer a few hours a weeks in personal time, I have so far been given a smaller application originally developed by pilots (in Excel) and made them more stable, distributed and into a more reusable product for the rest of the organization rather than an individual.

This was developed on a MEAN stack using the latest version of Angular and NodeJS and the latest community edition of MongoDB with full automated testing and CI deploying on to an AWS infrastructure managed by my Ltd company.

Ministry of Justice | Westminster, London
Tech Lead August 2019 – Jan 2020 *(contract)*

My role in this contract was to gatekeep all aspects of technical responsibility for the MoJ's digital estate within the civil law space.

Designing and implementing solutions and ensuring they are socialized to all aspects of the development and project management teams to ensure consistent development practices and governance. Using a range of technologies throughout the entire stack, the front end being predominately ReactJS with various middlewares included (React-Sagas, React-actions, react-thunks) to help speed up not only development but also delivery and user interaction.

My role also included working on proof of concepts to ensure that designs were technically viabl as well as directly being responsible for a team of 30 developers directly, as well as making technical decisions that had ramifications for over 200 developers across the entire programme.

Premier Foods | Stoneham Gate, Southampton
Principal Software Engineer October 2018 – August 2019 *(contract)*

I was bought into Premier Foods to aid the company redevelop a system that had been maintained past their useful life span. Taking systems built in 15+ year old technology and updating them to 21st century web applications and helping train up the team that will support them going forward.

Using a full MERN (MongoDB, Express, React (and React Native) with Redux and NodeJS) we merged a number of smaller apps into one bigger one allowing for user control and lazy loading to keep the potential footprint as small as possible. Utilising MongoDB allowed us to both store the data and access it quickly, as well as have all the different "apps" to share data constructs as well as have unique data structures where appropriate.

I used NodeJS and TypeScript to design and build a bespoke workflow engine with high levels of customization available, as well as more generic functionality, as well as the creation of the full suite of APIs including integration with SAML2 single sign on systems and many 3rd party services (eg AWS SES, BrandBank).

It was also used to develop the authentication and authorization piece with OpenID through to MS Azure.

All of the above was hosted through Amazon Web Services (AWS) within their EC2 Fargate containers where appropriate, with various other services involved such as Route 53, CodeCommit, EC2.

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The AA | Fanum House, Basingstoke
Senior Software Engineer June 2017 – September 2018 *(contract)*

Returning to The AA as a contractor was a great chance for me to show off my expertise as both developer and architect.

Being the lead developer on a customer facing application for a £200m product allowed me to help The AA move forward both technologically and experientially. Employing the latest technologies we have started to build a good UI framework as well as more complex back end systems using Angular 6 and the latest version of NodeJS.

We used NodeJS to implement everything from the SAML2 authentication piece, all the way through to the complex business logic required within the project.

The challenges of using 100% JavaScript/TypeScript architecture were, in my opinion, superseded by the benefits it allowed us to utilize, from ease of development, to open-source maintainability and available libraries (e.g. Express's, Multer).

The application went live after very few teething problems. With a great take up from the customer franchises and glowing reports on the usability.

Intevi Ltd | Meridian Park, Hook
Software Development Manager Mar 2017 – June 2017 *(contract)*

Experian Data Quality | Merlin House, Theale
Senior Developer Jan 2017 – Feb 2017 *(contract)*

The AA | Fanum House, Basingstoke
Senior JavaScript Developer November 2013 – Dec 2016

Vodafone UK | Edison House, Newbury
Developer June 2012 – November 2013

SciSys UK | Methuen Park, Chippenham
Front End Developer May 2011 – June 2012

Entity Group | Kent Science Park, Sittingbourne
Junior Developer November 2009 – May 2011

One Bright Space | The Technium, Aberystwyth
Graduate Developer September 2007 – November 2009

GCHQ | Benhall, Cheltenham
Graduate Technologist May 2007 – September 2007

Commercial

JavaScript	Large experience in using both Vanilla JavaScript as well as numerous frameworks including, AngularJS, Angular, NodeJS, ReactJS, React Sagas, React Thunk, React Actions, React Native, TypeScript, Redux, jQuery, Ember, Knockout, Underscore, D3, GraphQL, ApolloClient plus many more.	14 years
Web	Extensive experience in using pure HTML5, CSS3 as well as the LESS/SASS pre-processors	14 years
Java	Java Standard Edition- including JDBC, AWT, Swing, Applet, JUnit Enterprise Edition – including EJB, Servlet, JSP, JSF.	5 years
PHP	PHP Including Object Orientated PHP, PDO, Other Database connections, Smart Templates, Inherited Templates, GD.	4 years
Python	Python Including PIL, SQLAlchemy 3 years.	4 years
SQL and NoSQL databases	Relational Databases Including MySQL, PostGreSQL, SQL Server, MS Access, Oracle. NoSql database development in MongoDB. Hasura GraphQL ORM.	14 years
Embedded languages	Including C++ and Assembly.	2 years

Methodologies/Stacks

Development Stacks	LAMP, WAMP, MEAN, MERN	2-14 years
Design Patterns	Design Patterns Including Singleton and MVC(S).	14 years
Version Control	Version Control Including TFS, SVN, GIT and Mercurial.	14 years

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