

Kieran Whiteman

Software Engineer

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KEY SKILLS

Software engineer with 7+ years experience across multiple disciplines, from full stack to purely front-end using technologies such as AngularJS, Angular 2+, Web Components, C# and Java. Experience working with REST APIs, CI and CD tools, testing philosophy and frameworks as well as developer tools such as Git, JIRA.

EXPERIENCE

Lucidworks, Cambridge - *Senior Software Engineer*

MAY 2017 - PRESENT

At Lucidworks I was a member of the solutions engineering team responsible for developing a wide range of software products that focused on customer user experience.

- Led the initial development on a new rapid low code development platform called CxOS for building interconnected AI and data driven search apps built in Angular 2+ with version control built in.
- Led a small development team to develop the Predictive Merchandiser solution to allow customers to merchandise users queries from selecting facets, overriding relevance, boosting, blocking, pinning and burying products.
- Continued development of Twigkit (rebranded App-Studio) including integrating into the Fusion UI allowing users to build search applications quicker than before.
- Worked with a multi-national team to create Lucidworks enterprise search and site search offerings using AngularJS, Webpack and LESS.

Projects

App Studio - An AngularJS application with a built-in wizard that would allow users to create search applications in a matter of minutes. Users could then adjust their application to their liking using the inbuilt IDE (monaco). Users could also download the app to develop locally and deploy.

Lucidworks Site Search - Site search was created to fit the gap left by Google Site Search. I worked with a global team to create an application for users to manage what to display in the search results as well as what data sources to use.

CxOS - Part of a “skunk team” developing and iterating new solutions within an in-house incubator at Lucidworks. We developed a low code environment for creating applications quickly from bundles created by Lucidworks and customers. Developers could create small reusable web components for people to add to their apps as well as endpoints and simple APIs to connect to multiple data sources.

Predictive Merchandiser - A bundle for CxOS that allowed customers to quickly connect to their Fusion in a matter of minutes to take advantage of the rules engine. Allowing customers to customize the search experience for users of ecommerce websites.

Twigkit, Cambridge - *Front-end Developer*

OCTOBER 2015 - MAY 2017

A key member of the Twigkit development team, I led the development of a prototype for a new client-side UI component framework and played a key role in taking that to production, working closely with our engineering and QA teams. Twigkit, which provided software to rapidly build search applications from modular application components, was acquired by Lucidworks in 2017.

- Developed new features and maintained the existing JSP framework for creating search applications.
- Developed a framework using AngularJS to allow customers and field engineers to build rich and beautiful search applications and dashboards.
- Worked closely with field engineers to ensure our framework met the customers requirements as well as helping to develop custom feature requirements.
- Created a documentation site documenting all components of our framework with live examples.
- Implemented CI/CD using Travis CI.

Projects

Lightning - An AngularJS framework containing all the tools needed to create a beautiful search application. Containing over 200 components, directives, filters and services alongside 1500 tests which would run for every build in Travis CI. We also created a custom documentation site generated from JSDocs like syntax in the code to provide examples and explanations for how to use all of the components of Lightning.

Depth.io - SaaS search application framework built using AngularJS allowing users to connect to multiple data sources such as Google Drive and Elasticsearch to create dashboards and search applications without writing a line of code.

Willmott Dixon, Letchworth - *Developer*

SEPTEMBER 2014 - OCTOBER 2015

I was recruited by Willmott Dixon to expand their growing development team and work on new projects using my experience of AngularJS and Web API. During my time with Willmott Dixon I've implemented an AngularJS/Web API template for future projects and helped members of the team with any issues regarding AngularJS and Web API from directives to testing.

Projects

eProcurement Asset Management - An AngularJS/Web API project supporting purchasing of IT equipment and tracking the assets once they had been purchased. The system links with Dell's API to order items through the web application. It also links in with the courier Interlink to be able to ship assets to different locations via the Interlink API.

Expenses - Previously expenses were done on paper, with this project the goal was to turn the whole process paperless. Users could create and upload attachments to expenses, while the finance and payroll team could cost and post expenses to the required HR and Finance Systems via APIs and Services.

North Hertfordshire College, Letchworth - *Systems Developer*

JUNE 2012 - SEPTEMBER 2014

My initial role at the college involved creating and managing reports for different areas of the college. I used SQL Management Studio (SSMS) to create functions and stored procedures to obtain the information required to create the reports and filters using SQL Server Reporting Services (SSRS). Whilst undertaking the reporting responsibilities I was quickly given my own projects to manage and take responsibility for. These projects involved the use of ASP.NET MVC C# and SQL Server combined to create web applications within the college.

- Create and maintain reports that were published on the internal SharePoint site.
- Analysing user requirements & developing systems that meet their requirements.
- Product Research investigating what products already exist, what they offer, what they don't offer as well as unique selling points.
- Creating designs for projects, developing prototypes and proof of concepts.
- Creating and managing responsive web applications across 6 projects using MVC and SQL for the 5000 members of North Hertfordshire College.
- Logging and managing any application errors via ELMAH.
- Implemented sentiment analysis to identify students who may need additional help or are unhappy on their course.

Projects

PDR - My first project was to develop a system for staff to complete their annual reviews. This involved staff setting objectives and adding their development plans as well as attaching evidence to show progress.

Lesson Obs - Is an Observation scheduler, tracking and reporting tool which allowed users to enter observations online with support for mobile devices with the use of Bootstrap 2.

3D Learning - This project started as lesson planning tool which quickly evolved into a planning and teaching tool. My role within this project was to create two modules. One for students to set themselves targets and provide feedback on how they are doing, the other was to allow staff to review their courses.

LCN.com, Stevenage - *Technical Support Advisor*

FEBRUARY 2010 - SEPTEMBER 2012

LCN is one of the UK's largest domain name and web hosting specialists where I provided first class support to customers enhancing my communication and troubleshooting skills.

EDUCATION

University of Hertfordshire, *BSc (Hons) Computer Science*

First class honours - 2012