

Stephen Jackson

Software Engineer

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Software engineer with experience working as part of a team to develop robust, user friendly applications using Javascript, the .Net framework, C# and Transact-SQL with SQL Server. A past career as a project manager has given me the ability to communicate effectively with team mates, clients and other project stakeholders as well as experience that allows me to prioritize and schedule projects and tasks to get work done quickly and effectively contribute to achieving business goals.

KEY SKILLS AND ABILITIES

C# .Net Programming – Have developed skills in creating readable, maintainable code by implementing the business logic of web applications including IO operations with database and file system, HTTP calls to external API's, and the creation of dynamic maps and images. Have also now started to create stand alone services in .net Core so that they can be run on Linux servers.

UI Development –

SQL – Have used T-SQL to create complex stored procedures with joins across tables and databases and logic dependent on giving parameters.

Testing – I ensure the code I write is robust by writing unit tests using MSTest and the FakeItEasy library as well as creating manual testing steps to test UI.

Working As Part Of A Team – Experienced in working with a team that uses Agile working methods and completes work in 2 week sprints using git and Azure Dev Express to manage source code. As part of this must work with users and project managers to develop clear requirements and estimate the time needed to complete.

Communication – Worked with sales and technical support to interpret customer request and decide what features could be developed to meet requirements. As part of this I had to communicate the technical challenges involved and explain the impact of the decisions we make on the wider application.

Project Management – Have managed project from specification to delivery within set timescale and budget. Including change management projects that involved new IT systems.

Problem Solving – A problem I have solved in my latest role was that our finance department wanted to retrieve a list of customers edit the data and then save it again. The problem was that the process was taking a long time to load all customer data, edit records and then send data back to be saved. I solved this problem by replacing the call to get all customers with a ajax call that send parameters back to a stored procedure a wrote. This meant the customers were only loaded for the page the user was on. To improving the editing rather than coding my own solution I used Dev Express Data Grid Edit widget. This allowed bulk editing and also did a call back to the serve each time a edit was made. This allowed me to save edits as they were done in a server session variable rather than all at the end. This all meant that a task that user to take the user over an hour to complete now took less than 20 mins.

Commitment To Further Learning – As part of my commitment to improving my skills I decided to crate a website for a code club a run using MongoDB, ExpressJS, NodeJS and Angular 2 technologies that I am not as familiar with.

EMPLOYMENT & EDUCATION

.Net Developer Paul Smith Ltd August 2019 – Present

Working as part of a small development team I am responsible for development of web and desktop applications that allow the running of business critical systems in the receiving and distribution of stock. Using the MVC and MVVM patterns to create applications that will link into 3rd Party Logistics Systems and also display data in a way that can be analysed to make business decisions. Technologies that are used daily are C# .net Framework, Javascript, knockoutJs, HTML, Bootstrap, Dev Express, TSQL, Git, Azure DevOps.

A further part of my role is take responsibility to ensure that any errors reported by users are evaluated and fixed in a timely manner. I also guide the work and give assistance to 2 junior developers on the team.

Junior Software Engineer Technolog Ltd October 2017 – August 2019

Working as part of a team of 6 developers responsible for development and maintenance of web applications that allowed customers in the water and gas industry to receive, analyse and display data from the logging equipment. Using Javascript, CSS and c#.net framework

September 2016 – September 2017 MSc Computer Science University of Birmingham

Intensive full time one year course that concentrated on developing hands on experience with the fundamental of computer language through learning Java language and solving programming problems. As part of the course I have also passed modules in the following areas:

- Software Engineering – including software development models, architecture styles and software management methodologies
- Databases – Database design and SQL
- Human Computer Interaction - Best practise in UI design
- Artificial Intelligence
- Operating Systems
- Data Structures and Algorithms

Regeneration & Growth Manager

Amber Valley Borough Council (1.10.14 – 31.3.16) Ripley, Derbyshire

Managed a multidisciplinary team to deliver a range of Planning and Regeneration projects while implementing a change strategy intended to give a more flexible and effective team with more efficient processes. This included:

Developing and managing the implementation of a new structure for the team that delivered a more cost effective service.

Writing specification for councils IT dept. for new system to support the work of the unit.

Working with the IT department to evaluate prototype systems and prioritise features to be developed next.

It was through this working that I became interested in the process of developing software and decided that I wanted to make it my career.

Regeneration Manager (1.1.2009 - 30.9.14) Amber Valley Borough Council, Ripley, Derbyshire

Principal Regeneration Officer (14.07.08 - 31.12.08) Amber Valley Borough Council , Ripley Derbyshire

Economic Regeneration Officer (11.02.06 - 13.07.08) Mansfield District Council , Mansfield Nottinghamshire

Regeneration Project Officer (11.07.05 - 10.02.06) Mansfield District Council , Mansfield Nottinghamshire

Economic Development Officer (12.07.2004 - 10.7.2004) Selby District Council , Selby North Yorkshire

Geography and International Relations MA (hons) 2:2, Aberdeen University , Aberdeen

HOBBIES AND INTERESTS

I am a coordinator of the Monkey Park Tech Club a venture that aims to teach 7 -13 years olds in Chesterfield coding and electronics skills.

Volunteer and Member Of Management Committee of Chesterfield Inspire Community Garden. A charity that is developing an area of waste ground into a garden that provides fruit and vegetables to local soup kitchens and food banks.

Interested in all aspects of technology and regularly read articles from dev.to and listen to podcasts to improve my skills and keep up with what is happening. I also attend local meetups such as Spire Digital in Chesterfield and DotNetSheff in Sheffield.

Trying to get a few more FPS out of my ageing PC.

Taking our dogs Holly and Daisy on long walks up steep hills.