Andy Stanier MChem MSc

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Northwich, Cheshire

Andy Stanier has over 6 years' experience as a software developer after having completed a master's degree in computer science with distinction. With a background in chemistry and 15 years' experience in the pharmaceutical industry, Andy is now a skilled and motivated developer using the .NET framework.

After gaining a master's degree in computer science at the University of Hertfordshire, he started a role as a Software Developer for Synectics Solutions where he has been involved in web developing using C#, JavaScript and T-SQL. He has since been involved in multiple projects and worked as a full stack engineer on the websites he has supported.

Skills

Andy has used and learned many different languages and techniques and used several different software packages during his time as a developer. These are mostly Microsoft products and frameworks which include C#, TypeScript, HTML, CSS and T-SQL. He has worked with APIs and services, used JavaScript frameworks such as React/Redux, and written scripts in PowerShell and Bash as well as using Git and SVN for source control.

Programming Languages			Software
C#	ASP.NET MVC, Webforms and Core	T-SQL	MS Visual Studio
Git/SVN	TypeScript/JQuery	React/Redux	MS SQL Server Management Studio
HTML	CSS	PowerShell	Visual Studio Code

Andy has also gained many transferable skills during his career.

- Problem Solving - overcoming day-to-day issues.
- Research Skills - consulting various websites and documents for ideas and solutions.
- Planning - what is the best approach to deliver a solution in the shortest time.
- Tenacity - working to implement the latest changes to the specification.
- Working to deadlines - completing development jobs to a release window.
- Teamwork - working in project teams of between 4 and 14 people.
- Independence - working unaccompanied on sub-projects.

Work History

Oct 2016 – Present

Software Developer at Synectics Solutions, Stoke-On-Trent

Software developer for internal and client facing websites. Using ASP.NET MVC framework combined with C#, T-SQL, JavaScript, TypeScript, React, Razor, HTML, and CSS to maintain websites for clients including the UK Government, for which he is Security Cleared, many large banking and financial organisations and clients within the automotive industry.

Day to day tasks include:

- Maintenance of existing code to address client-found bugs.
- Introduction of new features into the existing website, often doing the database and backend logic as well as the frontend user interface.
- New project websites or conversion of webforms pages to MVC.
- Writing of Unit tests.
- Use of JIRA to track and record progress.
- GIT for source control.

Aug 2015 – Sept 2016

Distance Learning Master's Student in Computer Science, University of Hertfordshire

See Education section for more details.

May 2014 – Aug 2015
Synthetic Chemist at Molplex Pharmaceuticals, Alderley Park

This job ended in redundancy due to closure of the chemistry department. Molplex was a small biochemical start-up, whose aim was to use Artificial Intelligence to design new drugs for orphan diseases.

Dec 2013 – May 2014
Looking for work – Job searching, CV writing and IT courses.

During this period, Andy attended Jobcentre run courses in CV writing, went to IT courses and applied for jobs in the pharmaceutical industry.

Jan 2011 – Dec 2013
Synthetic Organic Chemist for CK Science at Eisai, Hatfield

This job ended in redundancy due to closure of the chemistry department. Designed and synthesised libraries of compounds for screening.

Aug 2008 – Jan 2011
Medicinal Chemist at AstraZeneca, Charnwood, Loughborough

This job ended in redundancy due to closure of the chemistry department.

July 2001 – Aug 2008
Synthetic Chemist at AstraZeneca, Alderley Park, Macclesfield

This job ended in redundancy due to closure of the research area.

Education

Computer Science at University of Hertfordshire, UK – Distinction.
A distance learning Master's degree in computer science, studying the following:

- *Programming and Program Design* - Learning **Java** language and Object-Oriented Programming techniques. Assessment by exams and coursework; the final piece was a desktop program, written from scratch to a provided specification.

- *Web Scripting and Application Development* - Learning about server-side website design using **ASP.NET Webforms**, **C#** and **SQL**. Created a website of user generated content.

- *Contemporary Practices in Information Technology* - *The ethics of information technology, assessed by researching and writing essays.*

- *Mobile Standards, Interfaces and Applications* - Using **JavaScript**, **JSON** and **jQuery Mobile** to generate a mobile website.

- *Secure Systems Programming* - Exploring security problems with the **C** programming language and how to avoid them, plus learning about DDOS, BotNets, Worms and Viruses.

- *Software Development Tools and Methods* - Ways to develop software, **UML**, **XML**, secure systems development. Assessment by essay and coursework drawing UML diagrams.

- *Final Project in Computer Science* - A piece of research and practical work about Electronic Voting Systems, creating a desktop **Java** application and an **HTML5** website for vote verification. Version control was handled by **Git** software.

Chemistry at University of York, UK
Chemistry with a Year in Industry, MChem with First Class Honours.

Three years of study and practical labs, coursework and exams. A fourth year was spent working in an industrial setting as a synthetic chemist in a drug discovery research department. Learning on the job and completing a written report and exams.

A Levels at Tytherington High School, Macclesfield

Four 'A' Levels in Mathematics (A), Chemistry (A), Physics (B) and General Studies (A).

This CV is also available at www.andystanier.co.uk.