

# Dominic Shaw

## Personal Details:

Date of Birth: 20<sup>th</sup> April 1983  
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## Overview & Objectives

My current role covers the full system life cycle various front-end technologies but particularly **Angular** and **WPF**, **aspnetcore** and **WCF** middle tiers, and **SQL Server** back-ends in a successful wealth management company. This provides me with an arena to use and explore my skills in a fast paced technical and business environment. I am innovative, capable and a very quick study. I excel at getting a quick understanding of what a user wants and providing a solution quickly and to a high standard. I want to be somewhere that innovation is part of the process, and that will stretch and challenge my expertise, and where I will be able to see the benefit of my actions to the business.

## Related Skills

<b>Languages:</b>	<ul style="list-style-type: none"><li>C#;</li><li>aspnetcore;</li><li>SQL and T-SQL;</li><li>SSRS, DevExpress Reporting, some Crystal;</li><li>Angular with DevExtreme and/or ag-grid/material design;</li><li>JavaScript &amp; TypeScript and supporting frameworks (jQuery etc);</li><li>WPF &amp; MVVM;</li><li>Xamarin mobile apps;</li><li>ASP &amp; PHP (including some OOP PHP);</li><li>Exposure to C, C++;</li><li>VB, VB Script, VBA and VSTO;</li><li>Modelling with ER and URM.</li></ul>	<ul style="list-style-type: none"><li>2004 - present</li><li>insep. - present</li><li>2004 - present</li><li>2004 - present</li><li>2019 - present</li><li>2004 - present</li><li>2010 - present</li><li>2016 - present</li><li>2004 - 2008</li><li>2010 - present</li><li>2004 - present</li><li>2004 - present</li></ul>
<b>DMBSs:</b>	<ul style="list-style-type: none"><li>SQL Server 2022;</li><li>Oracle;</li><li>MySQL – experience with versions 4 &amp; 5, including stored procedures.</li></ul>	<ul style="list-style-type: none"><li>2004 - present</li><li>2010 - present</li><li>2004 - 2005</li></ul>
<b>Tools:</b>	<ul style="list-style-type: none"><li>Microsoft Visual Studio (All Versions);</li><li>Azure DevOps (as repos, and CI/CD management);</li><li>IIS Web Server and Kestrel (advanced), nginx and Apache (Exposure);</li><li>DevExpress Controls (DevExtreme, WPF, MVC, ASP.NET).</li></ul>	<ul style="list-style-type: none"><li>2004 - present</li><li>2016 - present</li><li>2004 - present</li><li>2010 - present</li></ul>
<b>Finance:</b>	<ul style="list-style-type: none"><li>Beauchamp Fundman LGH, Landmark Longview;</li><li>Bloomberg / Bloomberg SAPI / DAPI / Managed B-PIPE;</li><li>Understanding of diverse asset classes.</li></ul>	<ul style="list-style-type: none"><li>2010 - present</li><li>2010 - present</li><li>2010 - present</li></ul>

## Employment

### Aug '10 – Current: TT International

TT International is a Fund Management company of around 100 employees, with a diverse offering of long and hedge funds across multiple asset classes. I work as part of a team providing both front and back-office solutions to aid the business.

I built & maintain over 70 repositories but to give some idea of what I do at TT, here are 3 projects, all built from scratch. These 3 feature middle tiers with either **aspnetcore** or **WCF**, **SQL** backends, and up to three front-ends written with **Angular**, **WPF MVVM**, and **Xamarin Forms**, to cover access via Web, Windows, and Mobile respectively. They all make heavy use of **SSRS** and **DevExpress** reporting.

- A “to-the-second” **risk & exposure system**, specifically targeting hedge and macro teams but later rolled out to the long side as well. This was one of my first large projects at TT. Now mature, it has been, by any standard, very successful. It integrates directly with our **PMS/OMS**, **Bloomberg**, and other core systems, to deliver accurate profit and loss numbers in real-time. The work on this system was split largely into middle and front-end, between two developers.
- A research system, which allows quick and easy storing and retrieval of research (models, broker reports, etc). The project, critical to a research-led investment firm, could have been simple however there was a lot of room for innovation. Some areas that I found to increase the effectiveness of the product were:
  - Automatic generation of **investment cases** from **Bloomberg** data;
  - “**Ideas**” management for tracking stocks;
  - Integration with the OMS** to tie everything together – i.e. what research is for what position / idea, association of research with stocks from the OMS, etc.;
  - Plugins for Microsoft Office (with VSTO toolbars) and Adobe Reader (with their plugin SDK);

- **Microsoft Graph & Exchange (EWS)** integration which read from a “deposit” mailbox to get notes sent via email, scrape out the associated companies and attachments and upload it all to the system. There is also functionality to scrape a general “research” mailbox for broker reports;
- Company Meeting management – use of Microsoft Graph and EWS to create better view/management of meetings.

This system replaced Advent’s *Tamale* and was preferred by all users – not just in user experience but in functionality as well. The resounding success of this project led to my being given the reigns to developing another, highly integral system for the company:

- A “ticketing” application which allows the managers to model a trade for most asset classes and **submit the ticket directly to traders** and/or the **OMS**. The modelling functionality built into this allowed automation of things like dispersion, CFD/PNote/etc management, order sizing, as well as any validation and compliance that the OMS is not suited to. My close work with fund managers on this project has enabled me to create a user-friendly application that they were keen and confident to use. The successful uptake of this application by the fund managers reflected the real success of the project, especially as many were initially reticent to change existing processes.

As with any small to medium sized company, there is often call for small applications; be that integrations between systems, web front ends for simple tasks, scheduled jobs, or reports. This is something I am happy to absorb into my tasks, and this is a regular reality. Some examples include IPO ticketing and workflow, the Compliance team’s workflow application (attestations, PA trading, regulatory reporting, etc.), senior manager workflow, chart packs, SWIFT messaging, and many more.

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## Aug '09 – Jul '10: Travel

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## Nov '05 – Aug '09: Nexus Open Software

At this software house of around 20 developers, I worked as part of a team for around two years on a PRINCE2 project management system before I was promoted to Senior Developer (team leader) and assigned my own project, a CRM system, to run with my own team. I continued with this project until I left Nexus two years later. This introduced the nuances involved in planning and scheduling the work for a team instead of working as an individual. This product was targeted mainly at the financial and legal sectors and had user bases ranging from small teams to whole corporations of 100s of people.

I also created a role for myself as the main contact for all reporting work, having spent significant time working with SSRS. This is an area I find very rewarding because of the requirement of making the code as efficient as possible. I was regularly hired out as a consultant to companies on this subject and delivered Microsoft training courses on SSRS and SQL Server (T-SQL).

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## Dec '04 – Nov '05: CMT Group

This was a small software house with a team of four. We developed with SQL, ASP.NET, VB.NET, ASP, PHP and VB6, delivering projects to a very diverse set of local companies.

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## June '04 – Nov '04: Pattern Analysis & Applications (PAA) Journal

PAA, a journal operating out of the University, hired me to write a paper submission system in ASP.NET. This was a fast introduction to commercial software development and a steep but enjoyable learning curve.

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## Education

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### 2:1 from University of Exeter in Computer Science BSc.

I covered a wide range of topics at Exeter, the first two years focusing in the main on learning OOP techniques with J2EE. I also covered SQL, using Oracle, and modelling languages such as UML in significant depth.

In the third year, while continuing with Java, SQL, and UML, I did a dissertation in web development using ASP.NET, which formed the beginning of my drive to join a web development company upon graduation, and which led to my work at PAA.

Other topics covered include Neural Networks, Artificial Intelligence, Concurrent Programming and Networking.

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## Interests

When not working I love to climb, to dive and to ski. I am a certified Dive Master, meaning I can take divers on led dives - a job which I took up for 3 months while travelling. I love to climb and try to get to indoor centres as much as I can, and of course, when the weather is up to it, to go outdoors as well. I love to ski more than anything else and take every opportunity I can!

**References available on request.**