### personal summary

A multi-skilled system developer and designer with comprehensive experience of the design, development and deployment of architecture and infrastructure for large-scale applications. A proven ability to lead teams to deliver complex and secure software solutions of the highest quality and performance, rigorously tested for use in the most pressured and challenging environments.

### Experience

http://app.pluralsight.com/profile/ian-foster23

# Areas of expertise

.Net Development:

C#/VB/WinForms/ASP.Net/MVC/Linq/WCF

SQL Server Design/Admin

Team Foundation Server

Agile Development

Enterprise Architecture

Service Oriented Architecture

Javascript frameworks:

jQuery/Angular4/React/KnockoutJS

Crystal Reports

SSIS

System Vulnerability Testing

Cyber Security

Networking

Server Administration

## Professional

MCP, MCSD

## Training

Certified Ethical Hacker

React

Azure / AWS

Xamarin

## Personal Details

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#### Lancashire Constabulary

CONSULTANT ARCHITECT / DEVELOPER

##### Oct 2013 – Dec 2017

##### JUN 2008 – APR 2012

Due to much of the work here being covered by the Official Secrets Act this section is less specific. I was hired for two periods of development of secure software solutions for use by police forces including work on web, desktop and mobile applications utilising .Net for internal and external usage.

###### Key Achievements:

* Design and development of multiple Police IT Systems used by thousands of officers and police staff connected to the police national network and encompassing all aspects of policing work, developed using web, WinForms and mobile technologies.
* Large-scale BRC & data migration moving 30 years of information from legacy systems to newer relational database designs.
* Training and support to move the team to Microsoft Agile Process and SSDLC, including leading scrums.

###### Technologies:

C#/VB .Net, MVC, WCF, Entity Framework, Enterprise Library, Linq, jQuery, HTML4/5, CSS, Node.js, Angular, KnockoutJS, Bootstrap, SSIS, SSRS, Crystal Reports, SQL Server, TFS, Agile Development, Scrum

#### AutoCoders, liverpool

SENIOR DEVELOPER / TEAM LEAD

##### apr 2012 – oct 2013

Senior developer and team lead. Developed numerous e-Commerce and magazine-style sites for customers and back-end desktop and web systems supporting lead generation business. Also supported all internal systems including database administration, networking, domain administration, and installation and administrating SIP telephone systems with PBX.

###### Key Achievements:

* Developed customer facing web sites for LeasePlan, increasing their lead generation throughput by over 500 leads per week, and improving accuracy whilst driving customer focussed business plans. Improved WCF service layer and core CMS engine performance to deal with the increase in data volume from 100s of vehicle details to 10s of thousands.
* Designed and developed secure online CMS for use by all customers providing secure single sign-on to all of their sites saving content teams hours of work each week micro-managing sites and providing customers with greater control.
* Developed MotorTorque web site, magazine style site for lead generation designed and built using HTML5, CSS, jQuery, Bootstrap on WCF service layer with SQL Server backend.
* Developed and improved internal WinForms CRM application to increase the throughput and functionality of the system to support the Sales teams, and integrated with external lead generation campaigns such as BMW.
* Installed and configured new IP telephone infrastructure, SIP switch and recording system to support four different departments and multiple incoming lines with individual rulesets.

###### Technologies:

HTML, CSS, jQuery, Bootstrap, C#, MVC, WCF, WinForms, CRM, SQL Server, Agile, XML, JSON, TFS, System Admin, Network Management, Telephony, DBA

#### Iris software group, liverpool

SENIOR DEVELOPER

##### jan 2007 – oct 2008

Senior developer for one of the UKs leading software houses providing business-critical software for tracking engineers and contracts. Systems built using desktop and web on SQL Server.

###### Key Achievements:

* Implemented Team Foundation Server and Agile methodology based upon Microsoft SDLC model to deliver regular system releases and updates of both client and server software using continuous integration, with database upgrade scripts, to multiple large clients across the country.
* Developed massive system performance upgrades to improve performance of the application and database.
* Development of an engineer tracking application for rapid deployment and engineer location and associated mobile application changes.

###### Technologies:

VB.Net, SQL Server, TFS, WinForms, HTML, CSS, WCF, Agile, Windows Mobile

#### moneysupermarket.com, ewloe

SENIOR DEVELOPER

##### SEP 2006 – JAN 2007

Senior developer and team lead developing web-based user-facing and desktop back-end systems for the mortgage channel.

###### Key Achievements:

* Delivery of new WCF service-oriented WinForms front end to improve the functionality and performance of the application to support the Mortgage2000 mortgage underwriting team.
* Delivery of web front end to be used by the mortgage brokers associated with MoneySupermarket.com to manage their associated deals and get underwriting support.

###### Technologies:

C#, WCF, WinForms, SQL Server, XML

#### William HILL

CONTRACT DEVELOPER

##### APR 2005 – SEP 2006

Develop and deliver upgrades to the recently purchased Stanley Racing Time and Attendance system, saving William Hill over £100k per year in administration costs and allowing them to change their pay frequency from monthly to weekly for all staff.

#### Stanley racing

DEVELOPER

##### SEP 2006 – JAN 2007

Development of new Time and Attendance system to streamline administration and database development of a large-scale data warehouse that was used to calculate all betting taxes on all bets placed in all shops and online.

Education

#### Home Study

I am always studying to keep my skills current. I have recently learned React, Xamarin, GIT, AWS, Azure and continued my studying for my EC-Council Certified Ethical Hacker qualification.

#### Formal Education

#### University of liverpool 1998 - 2001

##### Human anatomy and evolution (honours)

#### e-learning 2004

##### microsoft certified solutions developer