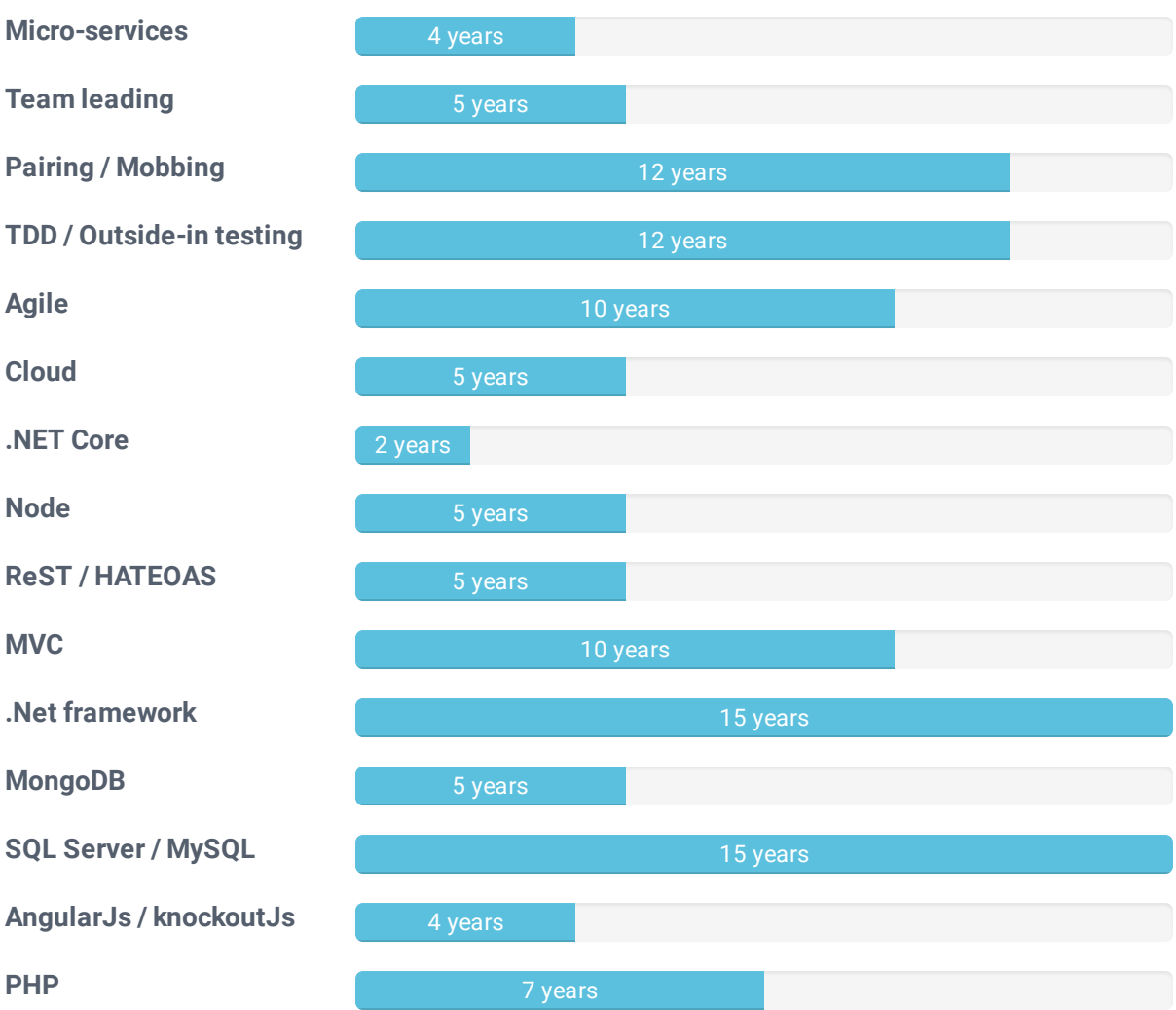


CAREER PROFILE

Graduated from Loughborough University in 1994 with a 1st class honours degree in Electrical & Electronic engineering. Started working within an embedded environment developing against stringent ISO directives. Following the dot-com boom I progressed into developing messaging and internet applications in PHP4, Java and .NET C#. Started own company with a colleague after working at Reuters in 2003 supplying bespoke CMS systems for antiques trade and now currently Tech Leading at CompareTheMarket

SKILLS & PROFICIENCY



EXPERIENCES

Applications Architect 2018 - present
CompareTheMarket.com

Responsible for the architectural vision for the new Pricing Platform at CompareTheMarket. Focused on developing scalability, stability and security for the system, keeping the customer at the centre of our business.

Always looking to perform investigations into better ways of solving specific issues with cloud based technology, for example serverless vs EC2, Kafka vs RabbitMQ. Spent time bringing solutions to the table in terms of POC and present these to the Architecture Forum for discussion. Many of these were to either increase performance for existing event driven systems or expose current processes out to the business teams so they can make better decisions.

Moving the platform over to a micro-service architecture allowing almost zero system downtime, multiple deployments per day whilst also supporting load spikes on areas of the system when marketing campaigns kicked in or we had the 'martin lewis affect'

Chaired of the Tech forum, a meeting twice weekly where tech is discussed and people bring their ideas to the table for solving common problems. These could be common library solutions for HTTP clients, to what is currently on our tech radar as accepted, obsolete. Presentations to the forum to discuss issues the teams are having.

Responsible for several working groups looking into governance of our micro-services and how we consume, document and test these at both an integration level and contract level. Lead the team on rolling out contract testing across 3 geographical sites, which involved workshops, presentations and one on one coaching.

Attended many tech leadership, speaking and influencing workshops where the lessons learned were implemented in real world to bring people along in the journey at CompareTheMarket.

Mentoring and coaching of firstly, technical leads, and other developers looking to progress their careers or looking for advice in how to solve specific problems within their teams

Brought in automation of our immunisation dashboard for services across the department. Initially a manual process of many excel spreadsheets, I worked with other architects to start automating some of the reporting structures, writing new scheduled services to get this information from systems like github, jira and prometheus.

POC for real-time quotability across products and brand had instant impact on visualisation of our data allowing us to monitor in real time the performance of our provider adaptors and mapping changes both during deployment and peak loads.

Tech Lead 2016 - 2018
CompareTheMarket.com

Leading a team which developed, maintain and increase performance of the new quoting platform which can supported 1000's of transactions a second. Hosted in AWS and using distributed micro services across RabbitMQ, the platform is fully scalable and uses MongoDB to store data sent to the platform. REST based services using HATEOS to allow customer journeys to communicate with the aggregated providers to get quotes for risks sent to the system.

Responsible for mentoring developers across the department and designing personal development plans for each individual as well as providing technical leadership in my team. Working closely with the architects it is my responsibility for the technical solutions to the architect vision.

Responsible for driving technical excellence and security/immunisation across the CompareTheMarket infrastructure.

Consultant 2013 - 2016
CompareTheMarket.com

SnapToQuote - (Energy)

Brought in to help develop and maintain the new SnapToQuote energy offering allowing customers to send their bills directly to the system as a photo. Administration web interface for users to enter bill data, apple app used by customer to capture bill. Small team that brought the offering in under 3 months, giving return on investment in minimal time.

Motor

Writing new indicative quote process that allows us to drive users to a page indicating their policies are due for expiry and a calculation is pre initialised. Using KnockoutJS for front end UI on a single SPA application.

Quoting platform

Micro-services developed to remove legacy based systems that had evolved to hold large technical debt and become single points of failures. Took part in major inception and showcases on how the new system would be designed and how journeys would interface to this.

Consultant 2012 - 2013
EasyJet

Joined a team as part of allocated seating roll-out (hosted off site in azure), developing the functionality to allow customers to choose seats on the main easyjet.com website, one of the top revenue generating sites in the UK.

- Developed Azure ServiceBus solution for 3rd party provider to access Restful API to pass pluscard data for real-time validation. Required to allow validation of card at booking time
- Developed nServiceBus host to retrieve message of Azure ServiceBus queue.
- Powershell scripts running .NET deployment for setting up ACS on Azure pluscard ServiceBus instance.
- Implemented PHP client for 3rd party to access windows Azure ServiceBus
- MVC3 Razor implemented on Seating web site using knockoutjs to handle UI events

Consultant 2011 - 2012
Tesco Entertainment

Part of a team developing new functionality on the www.tescoentertainment.com website and supporting applications. Using Agile (SCRUM) to plan and present on bi-weekly sprints.

- Developed concept Android application supporting purchase and download of MP3 tracks within time and budget allowed.
- Maintained and developed new functionality on the Endeca search service used by the main entertainment site.
- Part of team developing the price cross out (was/now/save) for all 400,000 products and saw successful implementation to live.
- Implemented new MVC areas for mobile implementation of site
- Automation and unit testing using Selenium, specflow, moq

Consultant 2008 - 2011
Cambridge University (OCR)

Part of a team developing new functionality for the main OCR Examination portal for Cambridge University. A site that supports a base of 35,000 different centres across the world managing their candidate entries and results through one site. Developed under Agile (SCRUM) split into bi-weekly sprints and presentations using new MVC design pattern.

- Lead developer to upgrade existing disconnected entry sites into one site where users can manage their GCSE and Vocational Qualification data in one area saving users time when entering candidate entries.
- Responsible for bringing Code review and new unit testing methods into the department
- Lead developer of project to move SOA to run on single tier server load balanced across 4 machines.
- Developing process of silent deploys removing site downtime in many cases
- Progressive enhancements implemented using jquery/jquery UI/form plugin for a better user experience with fail back support for browsers that do not support javascript
- Team city administrator
- SQL scripting writing procedures across 3 disconnected databases

Director 2003 - 2008
TouchScreenData Ltd

Formed company developing online management systems predominately written in C# .NET 2.0/3.5 but small scale site developed in LAMP

- Developed an sold bespoke online management CMS and marketing system to blue chip antique dealers in London and New York
- Online touch-screen concierge system developed and installed into prime location apartment block in London allowing customers to manage their personal and professional lives.
- Online IT helpdesk, contact and stock management system developed for London based IT company. Auto billing and emailing via supporting windows services and auto update to Quickbooks accounts package for invoices sent and paid
- Interfaces developed for many payment gateways
- LAMP development for small scale websites using PHP 4 and MySQL. Developed many web services using nusoap including successful football league management portal

Senior Developer 2000 - 2003
Thomson Reuters

Senior developer in 12 man team within the Mobile Development department developing mobile applications and desktop web portals to configure them.

- PHP 4.0 financial management WAP site developed for handheld devices, development also included administration site reporting statistics on searches, news opened, companies viewed
- NET mobile financial management application developed with desktop management interface to manage stock lists, watch lists, news, SMS alerts and forex information
- Java J2EE SMS aggregation engine developed against Tib/Rendezvous messaging platform, the engine was used for pilot World cup SMS platform allowing users to sign up for goal alerts in World cup 2002
- OTA (Over the air) messaging for auto configuring handsets to access mobile applications. OTA initiated by customer from Reuters Terminal portal.
- Tibco Rendezvous messaging utilised as the messaging bus

PROJECTS

Symbolic & Chase

Website and administration for http://www.symbolichase.com as part of running TouchScreendata Ltd. A bespoke CMS system tailored for the antiques and Jewellery trade allowing. Developed in .NET it allows administration of items, documentation generation for Expo's and export/import. SQL server used as storage using lblgen as O/r Mapper. Particularly looking at VAT, excise duties and quality of imagery fo PDF's.

Ipad application developed allowing user to browse stock and request more info

- Atom feed created on client site to expose stock information as a feed.
- Pre-loaded images on start-up much like a magazine, cached into a sqllite database.
- Sweep functionality to browse stock by stock
- Written in Monotouch with MonoDevelop

Betfair

Create a windows application allowing user to make bets on the betfair trading platform

- Written in .NET c# with WPF front end
- Multi-threaded betting application for multiple markets
- Plug-in algorithms to allow the user to select the algorithm to use for the market data
- WCF Service layer as proxy to the Betfair platform
- SQL Server used to store all get history statistical data on market selection.



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EDUCATION

BEng Electrical & Electronic Eng
Loughborough University
1990 - 1994

LANGUAGES

English (Native)

Portuguese (Brazil)
(Conversational)

INTERESTS

Football

Tennis

Fishing