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Introduction

I am a passionate programmer and designer of software. I enjoy the challenges of creating solutions for business and delivering results that benefit users.

Skills

Languages				Core Frameworks			
C#	Java	JavaScript		WPF	WCF	Windows Workflow Monotouch	ASP.Net VSTO SharePoint Apache Active MQ
				Rx	iPhone iOS5		
				Ion	Camel	Tibco	
Other				IoC / ORM Frameworks			
Ruby	VB			structuremap entity framework	unity	ninject nhibernate	autofac MEF
Code Quality Tools				Testing Frameworks & Tools			
fxcop	stylecop	ncover	postsharp	fitnesse	nUnit/xUnit/msTest	typemock	machine.specifications rhino-mocks wipflash
visual studio							machine.fakes moq white
Databases				Build Tools / Source Control			
sql server	oracle			nant	msbuild	teamcity	cruisecontrol
				Git	Subversion	TFS	Perforce

Experience



Feb 2013 – Present

City Index

Position

Senior Developer / team lead – Core development team

Business

Trading

Application

Order book management service, CIconnect, Dealer shell

Technologies

C#, Tibco Apache Active MQ, Java, WPF, Winforms, Delphix

Toolset

Inhouse messaging framework, REST webapi,

Testing / Quality

NUnit, Rhinomocks Fitnesse

Build tools

TFS, SVN

Description

City index offer retail forex, CFD and spread betting across windows/mac, web and mobile platforms.

Responsibilities

- Scaling the order book service to cope with new a algo platform offering to clients. Increased scalability by partitioning service. It now runs on multiple servers in multiple data centres.
- Implemented quoting facility for oversized trades in City Index's new social trading application 'CIconnect'
- Carried out a proof of concept database virtualization implementation using Delphix
- Replaced charting component in the front office

Rule Financial

Position

.Net Associate Consultant



Jun 2008 – Feb 2013

Description

Working for Rule Financial as an associate consultant, I have worked on a wide variety of financial services technology projects at Citi, UBS, Bar Cap & Mizuho. Always very hands on, predominantly in technical lead and team leader roles.

Citi

Jul 2012 – Feb 2013

Position Developer
Business Credit – Front office
Application Velocity & Credit Algo for Index and Single name CDS
Technologies C#,WPF, Ion messaging, Fix, Tibco EMS, raw socket-based messaging, Java, Apache Camel
Toolset MEF, ServiceStack
Testing / Quality Mspec, fxcop, stylecop
Build tools TFS

Description

Velocity is a multi-year award winning single dealer platform and Credit Algo is Citi's brand new algorithmic trading platform for CDS instruments. In this role I am responsible for real-time data on the client for the Credit Algo platform. Advising on architecture and implementing new features and requests, liaising directly with front office traders and quants.

Responsibilities

- Adding a new hedge execution component into the credit algo platform
- Implementing Straight Through Processing reconciliation for new markets
- Creating prototypes and investigating ways of dealing with large real-time data sets
- Productionizing the Credit Velocity plugin, fixing bugs adding a unit test methodology with mspec
- Creating a real-time graphing engine



May 2010 – Jun 2012

UBS

Position Team lead
Business Securities Research
Application RAP – Research Application Platform
Technologies C# - Frontend & Backend, Java, WPF MVVM, WCF, Windows Workflow, Protocolbuffers
Toolset Rx, structuremap, IoC, objectmapper, ooxml
Testing / Quality Mspec, nunit, rhinomocks, ncover, fxcop, stylecop, postsharp, fitness
Build tools MSBuild, teamcity

Description

RAP is an end-to-end .Net solution used by over 2,000 UBS staff to author over 60,000 pieces of high fidelity research each year. The application has both a .NET WPF front end, which dove tails into Microsoft Word, and an extensive multi-threaded backend server component. Responsible for data retrieval, analytics and parallelizing document composition to allow for high volume throughput.

Asked by Rule Financial to help them win a large contract with UBS to deliver a rewrite of their securities research platform, I worked as a consultant to create a reference architecture and proof of concept. On the back of this piece of work UBS were very keen to go ahead with the project.

Responsibilities

- Coding front-end and server components using c#. Helping out other teams, programming in Java to integrate downstream
- Designing a reference architecture and proof of concept
- Establishing a solid software development lifecycle model for the team to follow, including coding standards, build system, testing strategy, and a platform to validate the business requirements specification against the software under development using fitness
- Hiring the development team
- Leading a team of 6 software developers for 2 years
- Senior developer and mentor for the team

Achievements

- **Delivered** first phase functionality of multi-million pound project on time
- **Architected** major components of the system, messaging, client architecture & server architecture
- **Coded** complicated parts of the software, multi-threaded areas, parsing engine, layout engine and messaging runtime

Recommendation

Simon McInnes - IT Project Manager at UBS

"Ed worked as senior developer and architect on a massive software application rewrite that I was managing at UBS. He has a vast breadth and depth of knowledge of software engineering, .NET technologies, automated testing best practice and frameworks. He designed and implemented large pieces of the application and he also acted as guide to the rest of the dev team and really improved everyone's skills. It was a great pleasure to work with Ed - he's very personable but he's also not afraid to speak his mind and he acted as a true consultant - giving honest feedback and constructive suggestions to the client. I would recommend Ed whole heartedly for any tech project and I really hope we can work together again in the future." August 3, 2012



TOTAL

Dec 2009 – Jun 2010

Total Gas & Power

Position Developer & Architect
Business Trading, Risk, IT & Legal
Application Business Process Improvement
Technologies C# windows-workflow asp.net sharepoint
Toolset structuremap
Testing / Quality nunit, fxcop, stylecop
Build tools MSBuild

Description

The head of trading challenged IT to come up with improvements to several of its existing business processes. Two important manual tasks were on boarding of new counter parties and the approval and validation of changes to pricing formulas

Responsibilities

I was hired by the head of IT to come liaise directly with department heads in trading, legal & risk to define business requirements and to develop technical documentation. Following an iterative development lifecycle model, I then worked to implement and role out solutions to the business.

After analysing several different business processes it became clear to me that a reusable workflow template would enable a significant reduction in development costs. Implemented by myself and another developer it reduced costs by ~20% - 40% per workflow

Achievements

- **Delivered** two major workflows for legal and trading
- **Architected** reusable workflow components to reduce on-going development cost



Jun 2009 – Oct 2009

KPMG

Position Senior developer
Business Professional Services
Technologies C#, asp.net, jquery
Testing / Quality Nunit

Description

KPMG required expert guidance and knowledge to help them redevelop the company's global homepage.

Responsibilities

I was able to use my detailed knowledge of HTTP, Internet infrastructure and SharePoint to help the team develop new web components

Achievements

- **Developed** web part framework and UI architecture
- **Liaised** with business to scope requirements and socialize portal upgrades with end users
- **Lead** strategy on continuous integration and development best practices learnt whilst at Microsoft



Department for Education
Jan 2009 – May 2009

Department for Education

Position Lead developer
Business Education
Technologies C#, asp.net, jquery, sharepoint
Testing / Quality Nunit, watin, fxcop, stylecop

Description

An ambitious multi-million pound project to transform how information was authored; work flowed and syndicated for public consumption.

Responsibilities

As lead developer on the project I was tasked to design the application framework to be used by the wider 10 person development team

Achievements

- **Implemented** application framework
- **Lead** strategy on continuous integration and development best practices learnt whilst at Microsoft
- **Coded** several core features and customizations to the authoring platform
- **Championed** test driven development and performance testing techniques



Oct 2008 – Dec 2008

Mizuho

Position Senior developer
Business Back Office – Auditing
Technologies C#,asp.net, Excel Services, VBA
Testing / Quality Nunit, watin, fxcop

Description

A solution was required to help Mizuho manage and audit their Excel workbooks throughout end user computing. It required automated cell level auditing and version control for all bank spreadsheets identified as high risk.

Responsibilities

As the sole developer on the project I was tasked with application architecture and full implementation in a challenging 3-month time frame.

Achievements

- **Design** solution architecture for workbook management and auditing
- **Create** strategy around data source management

- **Implement** and demonstrated a SharePoint solution to senior management.



Jun 2008 – Oct 2008

Barclays Capital

Position	Senior developer / team leader
Business	Prime Brokerage
Application	Cash Payments
Technologies	C# asp.net bizunit, fitnessse
Testing / Quality	Watin, nunit, mstest, team test load agent, ants memory profiler
Build tools	cruisecontrol

Description

In order to remain competitive a number of prime brokerage facilities needed to be exposed to clients via a web portal. The first stage in a wider project was to offer cash payments between entities. The robustness and accuracy of the new cash payments system would be critical

Responsibilities

As a senior developer I was responsible for implementing core screens of the application, performing code reviews and mentoring other team members

I also introduced the concept of documenting complex business rules using a domain specific language. Business users could execute these documents, which looked much like plain English, against the system under development. A simple traffic light system alerted management to areas of the system still not complying with the specification. This system was extremely well received.

Tasked with making sure the application performed efficiently with the ability to scale, I carried out load and performance testing as well as application profiling and memory utilization.

Achievements

- **Coded** core screens of the cash payment application
- **Significantly** improved application performance, utilizing many easy to implement HTTP optimizations
- **Pioneered** concept of executable requirements specifications using fitnessse
- **Team:** introduced new development practices. Responsible for quality and code testability. Led team of co-located developers

Recommendation

Florin Draghici - Software engineer at Barclays Capital
 "Ed is a passionate IT professional who writes exemplary code: clean, meticulously documented, thoroughly tested and fast. I highly regard his skills and recommend him as a top player in the industry."



Apr 2007 – Apr 2008
 Oct 2009 – Dec 2009

Microsoft

Position	Senior developer
Business	Health care
Application	NHS CUI Knowledge Worker Tools Project
Technologies	C#, asp.net, windows-workflow, sharepoint
Testing / Quality	Watin, mstest, fxcop, stylecop
Build tools	msbuild, team foundation server

Description

Working in an environment of extremely talented software engineers, domain experts and testing specialists exploring ways in which technology could be used in the NHS to improve online collaboration of knowledge workers

Responsibilities

Our team developed a search engine, which combined multiple NHS and 3rd party data sources. I was initially responsible for surfacing the search engine in SharePoint. Later I worked extensively in the backend system, refactoring and simplifying our approach to interacting with external data sources.

In my own time, I ported our search engine application to a mobile platform which received praise and recognition from senior management

One of the highlights of working with a team of exceptional developers is that I was able to increase my own skills extremely quickly, whilst at the same time share my own expertise with others.

Achievements

- **Re-architected** significant areas of application architecture and created new reusable web components
- **Delivered** two significant, fully tested and professionally documented software releases to production. The search engine and a separate document workflow system
- **Team:** introduced test driven development practices and decoupling of software components to help testability

Recommendation

Steve Ledbury, Technical Program Manager, Microsoft
 "I am pleased to recommend Ed as a very accomplished developer. Whilst working as Ed's Program Manager, I was often impressed with the originality of his technical solutions. When the project was under time pressure, the team could always rely on him to meet deadlines and come up with ways forward."



PH3 (now PHWT)

Position	Owner / IT Director
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1999-2007

Business

Software Consultancy

Description

Founded a software company in 1999 to create innovative web based solutions. Initially focusing on delivering customer facing applications for leading automotive companies such as Ford, Land Rover, Mazda, Volvo and Jaguar.

Sold the company in 2003 to Palmer Hargreaves and stayed on as IT Director until moving to Microsoft in 2007.

Responsibilities

- **Head of department:** In charge of 6 developers, 2 project managers and 1 user interface designer.
- **Senior architect / lead developer**
- **Client** and project acquisition
- **Team:** recruitment, mentoring, training and career development.
- **Infrastructure:** responsible for all IT infrastructure including co-location facility used to host client's applications

Achievements

- Secured seed capital from Business Angel of £60,000
- Achieved first year revenues of £250,000 and net profit of £40,000.
- Secured second round funding of £100,000 in 2001

Personal Programming

Stack Overflow – <http://stackoverflow.com/users/5182/edward-wilde> 2008 – Current
Written 30 answers. Active in c# and .net.

Codeplex - Wax – <http://wax.codeplex.com/> 2007 – 2009
Wax allows users to create automated WatiN tests using Microsoft Excel

GitHub - protomak– <https://github.com/ewilde/protomak> June 2011 - July 2011
PROto files MAKer - Tool to create Google protobuf .proto files from integration technologies

SourceForge - Waitn -<http://watin.org/team/> 2007-2009
Watin has been downloaded ~60,000 times and is in the top 3 of open source web testing applications for the dot net framework. I lead the effort to port the framework to FireFox

Hobbies

Scuba Diving

I'm an assistant diving instructor and club secretary for [CliDive](#), a London based BSAC diving club with more than 100 members. We dive all year round, doing lots of exciting cold water UK diving in and around Plymouth as well as the odd trip abroad

Photography

A keen newcomer to photography, trying to improve my skills on land, so I can take better photographs underwater!

Walking & Camping, Bicycle Touring

I also enjoy roaming around the hills and valleys of the more remote parts of the UK on foot or bicycle.

More information



Public profile: <http://uk.linkedin.com/in/ewilde>

Desired locations London

Desired roles Developer, Team Leader

Nationality British
