David Whitney

Agile Technologist, Architect and Senior Developer C# / ASP.NET MVC in London, UK

(+44)7764495634
david@davidwhitney.co.uk
davidwhitney.co.uk
github.com/davidwhitney

A hands on technical leader, architect and coder using clean code and continuous delivery to build software at web-scale

Experience

Coding Technical Architect, JustGiving.com (Third Sector) 11/2011-09/2013
C#, ASP.NET MVC4, Agile, continuous delivery, REST API design, Recruitment, Leadership, Technical direction and strategy, mentoring, Search, Lucene, Open source, emerging architecture, mobile apps, resilliance, cloud computing, Windows Azure, PCI Level 1, NuGet, Deployment, Package management

As sole technical architect, provided mentorship, guidance and hands on direction to evolve JG.com into an industry leading, web-scale (20k users / second) platform. Recruited and lead 5 teams of polyglot developers. Time split between hands on pairing and mentoring and research work. Managed out-sourced software development (using OSS model + GitHub), pushed and implemented continuous delivery and build pipelines to ensure fast iterative development and weekly automated releases. Internationalised platform to support 18 currencies. Designed and implemented PCI Level 1 payment gateways that process £1m+ a day over load balanced payment providers, presented at events, provided guidance to both internal and external teams. Encouraged and released open source libraries. Re-worked internal software to revolve around package management. Implemented real-time monitoring of systems. Championed a "devops" workflow targeting reduced time to ship code using CI / CD techniques. Acted as the voice of development in the business.

Senior Software Developer, JustGiving.com (Third Sector) 09/2009-11/2011
C#, ASP.NET MVC3, Agile, APIs, CCNET, TeamCity, WCF, jQuery, Mobile, Facebook, REST, nHibernate, Moq, TDD, nUnit, Git/GitHub, Performace tuning, Strategy, Polyglot

Worked on two major architectural changes to stabilise and performance tune the JG platform. Rewrote payment processing (Barclays EPDQ & PayPal), rewrote 3DSecure authentication, built public RESTful APIs (in ASP.NET MVC), authored open source SDKs in multiple languages, provided developer support for APIs, introduced continuous integration first with CCNET then TeamCity, wrote large portions of a phased migration from WebForms to MVC3 (including running both in parallel), implemented JustGiving mobile web (Open Mobile Alliance DTDs + jQuery), implemented JG Donate-on-Facebook and other Facebook integrations, helped adapt the application to support multiple tenants in one installation, migrated legacy ORM to nHibernate, introduced TDD and championed test coverage, evangelised agile introduction, migrated COM+ components to managed code, introduced IoC to the codebase, worked on integration projects for several large UK charities, HTML5 with progressive enhancement and jQuery on the front end, implemented OAuth and OpenGraph and social network integration, actively participated in hack events representing the company, frequently advised CTO on technical direction

Senior Software Developer, Iforium Ltd. (Sports Betting) 06/2009 – 09/09/2009
C#, XSLT, CCNET, WCF, jQuery, Mobile, APIs

Retrofitted continuous integration to a brown field project using CruiseControl.Net, restructured several huge projects into more testable, deployable solutions including the introduction of installers and continuous builds. Maintained a complex sports betting platform (C# + XSLT) mostly working on back office CRM and work porting legacy VB6/COM to C#. Designed and implemented a new client facing API. Developed sports betting application for mobile devices (targeting the iPhone and modern mobile browsers) in C# + XSLT + jQuery. Produced integration adapters for several online payment services.

Software Developer, Yes Telecom / Vodafone (Telecoms) 06/2007 - 06/2009
C#, nHibernate, CCNET, WCF, WPF, WFF, Agile, Oracle, Windsor, ASP.NET MVC, jQuery

Integrated with a Java billing platform and legacy Oracle 9i database. Developed a rich client application using WPF (beta) in a MVVM style including an innovative Peer-to-Peer component (WCF PeerChannel). Helped introduce agile to the company (SCRUM with XP practices) and shaped development practices including introducing pairing, TDD, coding standards and build/deployment automation using CruiseContol.Net. Developed a new order processing portal in the ASP.NET MVC

Skills

C# 4.0,
ASP.NET /MVC 4
S.O.L.I.D. design
Domain driven design
Document databases
Leadership & recruitment
Technical design
Agile / evolving architecture
DevOps
Performance tuning
Speaking
ORMs
nHibernate
OO-Design
Agile practices
TDD & BDD
IoC
XP / SCRUM / Kanban
RESTful services
SOAP
SOA/n-Tier
HTML5
CSS / SASS
Javascript
jQuery
Knockout.js
Browser MVVM
Mobile web
WPF
WCF
ADO.net
Linq
T-Sql
Selinium & WatiN
Build & deployment automation
SCM strategies
Lucene
PHP
Oracle & PL/SQL

Tools

Visual Studio
Git & GitHub
Subversion & TFS
ReSharper
NuGet / ProGet
SqlServer & MySQL
nUnit & Moq
Ninject & Windsor
Fluent NHibernate
TeamCity
RavenDb
CouchDb
Papertrail
Raygun.io
PhoneGap

(beta) along with the design and development of APIs and libraries for external integration.

Contract Developer (freelance), Andrew J. Taylor Solicitors 04/2008
C#, Castle ActiveRecord, ASP.NET WebForms, nUnit, WPF

Designed, implemented and delivered a CRM portal and desktop software to automate the creation of Home Information Packs for conveyancing clients.

Contract Developer (freelance), JNA Consulting 10/2007 – 10/2007
C#, nHibernate, ASP.NET WebForms, jQuery, nUnit

Lead developer on VOIP phone deployment software from design to delivery in C# and ASP.NET.

Software Developer, InTo Technology (eCommerce) 09/2005 – 06/2007
C#, ASP.NET WebForms, ADO.NET, nUnit, NetSuite, WinForms, BizTalk, Apache

Worked both as lead web developer and backend application developer on the award winning IT247 and SCAPE technology platform. Developed a sophisticated competitor intelligence platform. Built a suite of utilities (WinForms) used to automate stock management, pricing, procurement and distribution. Followed an XP development methodology and had significant input on the design and implementation of the system.

Software Developer, Trading Services, UMIST (Education) 07/2004 - 09/2004
C#, VB.NET, VB6 ASP.NET WebForms, ADO.NET

Developed software to manage the university Ethernet network and building management

Web Developer, Quick Solutions Ltd (Software & Security) 07/2002 – 09/2002
HTML, CSS, PHP

Redesigned web portal (HTML / CSS), built hardware for shipping in custom CCTV units.

Education

University of Manchester Institute of Science and Technology
  BSc (Hons.) in Computation

The Manchester Grammar School, Manchester
  A-Levels Art (A), English Lang & Lit (B), History (B), Politics (C)
  GCSEs (one A*, two A's, five B's, two C's)
Stockport College (Part Time)
  City and Guilds Certification in C/C++ Programming (Level 2) – Pass

Interests

Agile software development, community events, NoSql databases, continuous deployment and delivery, clean code, code cleanliness, OSS in .NET, modern JavaScript and NodeJs, Ruby

Background

Worked as a freelance software developer through the late 90s and early 00s, building websites and applications for small businesses. After graduation, moved into SME and started building scalable web software since. Mixed language background, starting with C/C++ through Perl, PHP and then C#. Enjoy learning new languages for the different perspective on development. Advocate of agile methodologies and community learning (DDD, LDNUG, SkillsMatter etc), enjoying keeping up with local events and software books (Clean Code, Peopleware, Mythical Man Month etc) and podcasts. Programming is a hobby as well as a job. Loves open source software.

https://github.com/davidwhitney
http://stackoverflow.com/users/1297/davidwhitney
https://nuget.org/profiles/davidwhitney
http://uk.linkedin.com/in/davidwhitney
https://twitter.com/david_whitney