

Alan Graham

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Software Engineer

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Profile

As a Senior Software Engineer with a thorough and methodical rationale, I have attained extensive experience in all aspects of software engineering, with particular emphasis on content-managed web applications.

A keen interest in Microsoft's .NET framework began in 2001 when I developed a solution using the public beta version of the technology. Since then I have deployed a wide variety of systems utilising C#, ASP.NET, ADO.NET, Windows Forms, XML, XSLT, JavaScript and SQL Server 2000/2005.

In the last 18 months, I have utilised my extensive ASP.NET experience to deliver multiple large-scale Immediacy projects on time and to budget for the engineering, tourism and leisure industries.

Real-world experience has taught me the worth of object-relational mapping systems (e.g. nHibernate, ActiveRecord and CodeSmith templates), as well as Model-View-Controller, Separation-of-Concerns, and other industry paradigms.

Key Technical Skills

Immediacy CMS

- Extended the core Immediacy functionality through custom plug-ins & meta-data structures;
- Integrated Immediacy systems with other web-based functions (e.g. hotel booking systems);
- Engineered an nHibernate & ActiveRecord object model based on Immediacy's meta-data system;
- Supported, repaired and extended existing Immediacy installations;
- Tailored project requirements according to Immediacy's strengths and weaknesses;
- Evangelised and instilled a requirement-analysis approach tailored to the Immediacy platform;
- Championed the adherence of accessibility guidelines specified by the WCAG.

C#, ASP.NET, ADO.NET, Windows Forms

- Developed a range of applications using both ASP.NET and Windows Forms technology;
- Constructed solutions according to a strict Model-View-Controller (MVC) methodology;
- Optimised inefficient interfaces to legacy systems through the use of Microsoft Message Queues;
- Maximised portability and clarity through use of nHibernate, a vendor-neutral object-based data tier;

XML, XSLT, XPath, Web Services

- Transformed XML data-streams to HTML through the use of XSLT and client-side JavaScript;
- Improved the user-experience through use of JavaScript XmlHttpRequest streaming (aka AJAX);
- Implemented the Service-Oriented-Architecture through the use of Web-Services.

SQL Server 2000 / 2005

- Liaised with clients to accurately capture data requirements;
- Radically improved server throughput by implement SQL Cache Notifications in ASP.NET 2.0;

Documentation, Requirement Gathering, Presentations etc

- Adhered to ISO 9001 guidelines for documentation, traceability and quality control;
- Authored the full range of project documents, from Proposals to Acceptance Test Specifications;
- Constructed software timescales, and maintained their accuracy for the project lifetime;
- Communicated the key goals of a system in plain-English to non-technical clients;

Career Achievements

Contract Immediacy Engineer **Innovation Digital Ltd** Aug 2007 – Jan 2009

- Experienced across a range of Immediacy versions, from v5.3 to v6.1;
- Acted as the core technical authority on Immediacy throughout my contract;
- Developed and deployed a suite of sites for the Weir Group, liaising with an external design agency;
- Met critical deadlines to develop two sites for the Edinburgh Inspiring Capital organisation;
- Integrated the Forest Holidays' Immediacy site with Ez-Systems' "Ez-Book" platform;
- Supported, improved and repaired a collection of multi-lingual Immediacy sites for Aggreko;
- Rapidly developed prototype Immediacy systems to assist in public-sector tendering processes;
- Independently audited an NHS-developed Immediacy site, providing a roadmap for improvement;
- Liaised extensively with clients to ensure expectations and deadlines were always met;
- Worked closely with Immediacy support personnel to maximise uptime of numerous client sites;
- Reported to core Immediacy engineers to highlight flaws in the Immediacy CMS;
- Repaired, updated and configured Immediacy Deployment Server (v3.2 to v4.1);

www.aggreko.com

www.forestholidays.co.uk

www.weir.co.uk

www.weiroilandgas.com

www.edinburgh-inspiringcapital.com

www.edinburghbrand.com

www.weirminerals.com

www.weirpowerindustrial.com

Development Manager **Solution Canvas Ltd** Aug 2006 – July 2007

- Oversaw all development activity within Solution Canvas;
- Managed and technically led several web-based systems in ASP.NET and C#;
- Demonstrated our excellence for web-based applications to a Microsoft Worldwide Director;
- Engineered an Endowment Trading application for the UK's leading Endowment trader;
- Utilised workflow-technology to provide a robust framework for rapid application development;

Senior Systems Designer **Real Time Engineering Ltd** Nov 2004 – Aug 2006

- Conformed to ISO 9001 guidelines in all aspects of software development;
- Championed the importance of accessibility in both web-based and desktop systems;
- Prototyped, and developed to deployment, an innovative product for the airline security industry;

Senior Application Developer **Parallel 56 Ltd** Nov 2002 – Nov 2004

- Introduced a "proper planning" culture enforced by Formal Specification workshops;
- Established testing and inspection procedures to ensure the robustness of completed projects;
- Designed, developed, tested and maintained a Content Management System in ASP.NET (C#);

Software Developer **Blupont Technology Ltd** Nov 2001 – Nov 2002

- Utilised pre-release versions of Microsoft's .Net Framework in web and desktop applications;
- Developed desktop applications using .NET (C#, Windows Forms) and Java (Swing).

Software Developer **SimplyReserve Ltd** May 2000 – Nov 2001

- Engineered web systems based around Java Servlet, JSP, JDBC and Oracle 8i technology;
- Awarded a university bursary from the CEO for "an outstanding contribution to SimplyReserve";

Qualifications

MCAD.Net

BSc Hons Computing Science (2:1)

4 "A" Grade Highers

Microsoft

Strathclyde University

Largs Academy

2006

1997 – 2001

1996 – 1997

References

References are available upon request from my current and all previous employers.