CV / Resume

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iOS Developer

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Career Summary

Freelance	iOS Development (Dec 2016 - Present)
Freelance	Windows Mobile Development (Mar 2011 - Nov 15)
Quintiles	Enterprise Architect (Feb 2004 – Feb 11)
Insource	Technical Architect & Development Manager (Aug 2003 – Jan 04)
Softwright Systems	Senior Technical Consultant & Project Manager (Aug 1996 – Jun 02)
Taxsoft	Systems Group Manager (Jan 1994 – Aug 96)
Data by Design	Development Team Leader (Jul 1993 – Jan 94)
Informix Software	Corporate Technical Manager (Aug 1989 – Mar 93)
Nacro	Software Engineer (Nov 1986 – Jul 89)

Project Summary

iOS/Swift	Writerly (xxxx)
iOS/Swift	Retreev (xxxx)
Windows Mobile/C#	Roundup (xxxx)
Windows/C#	Visual Snippet Library (xxxx)
SharePoint/C#	Quintiles Enterprise Portal (2011)
ASP.NET/C#	Quintiles Frameworks (2008)
ASP.NET/C#	Quintiles QZone (2007)
ASP.NET/C#	Quintiles Clinical Informatics (2006)
ASP.NET/C#	Quintiles SMARRT Clinical Trial Management System (2004)
ASP.NET/C#/VB.NET	Insource ASP.NET Academy RAD Tool Suite (2003)
ASP.NET/C#	Softwright Document Control System (2001/2002)
Java	Softwright On-line Community & Content Management (2000)
Java	Softwright Reusable Asset Management System (1998/1999)
Delphi	Softwright RADwright Object Framework (1997)
Visual C++/MFC:	Taxsoft Windows System Software (1996)
Visual C++/MFC:	Data by Design Marketing Workstation (1994)
Windows/C/SDK:	Informix SmartWare III (1993)
MS-DOS/C:	Informix SmartWare II (1992)

Freelance

Dates: March 2011 – Present
Position: Freelance developer
Major Projects: Writerly (iOS/Swift)
                            Retreev (iOS/Swift)
                            Roundup (Windows Mobile/C#)
                            Visual Snippet Library (Windows/C#)

Quintiles

Dates: 9th February 2004 – February 2011
Address: Station House, Market Street, Bracknell, RG12 1HX
Position: Enterprise Architect
Major Projects:

- Enterprise Portal (SharePoint, ASP.NET, C#, Web Services, WCF, Ping Federate)
- CRO Dashboard (SharePoint, ASP.NET, C#, Web Services, Adobe Flex)
- Shared Engineering Services Common Frameworks and Lifecycle Governance
- Clinical Informatics (ASP.NET, C#, Web Services)
- QZone intranet (ASP.NET, C#, SharePoint)
- SMARRT Clinical Trial Management System (ASP.NET, C#, SQL Server)
- GISA (Integration Service Architecture, C#, Web Services)

Summary of roles and responsibilities
Quintiles provides a broad range of professional services, information and partnering solutions to the pharmaceutical, biotechnology and healthcare industries. Headquartered near Research Triangle Park, North Carolina, Quintiles has more than 22,000 employees worldwide and offices in 49 countries.

I had the following main roles within Quintiles over a seven-year period:

1. Enterprise Architect, Global IT (2009 - 2011): Enterprise Portal, Shared Engineering Services
2. Enterprise Architect, Global IT (2008): CI Common Frameworks, Reuse Repository
3. Enterprise Architect, Global IT (2006 - 2007): Clinical Informatics, QZone intranet, SOA
4. Software Architect, QSRS division (2004 - 2005): SMARRT CTMS, Integration Architecture

Enterprise Architect, Global IT (2009 - 2011) – Enterprise Portal, CRO Dashboard
The Enterprise Portal is a secure web portal used by senior Quintiles management and external customers to access clinical project related data, KPI dashboards, and custom applications. Based on Microsoft SharePoint (2007/2010), the Enterprise Portal was successfully delivered into production operation in 2010.

I was responsible for all aspects of the technical architecture, leadership, development and delivery of the Enterprise Portal project. This role included the following activities:

- Full technical responsibility for the successful end-to-end delivery of the Enterprise Portal
- Lead the development of all necessary infrastructure, web parts, customizations and supporting documentation, including appropriate standards, best practices and customer and developer-oriented training materials
- Lead the design specification process for the provision of all necessary hardware and software infrastructure for customized development, testing, staging and production environments
- Lead and mentor the portal software development team in the creation of the required Quintiles custom web parts, standard frameworks, user interface components, configuration and deployment standards
- Work with application project teams to provide architectural and software development consultancy and assistance, and to design and create custom web part solutions as required
- Work with Quintiles' Security team to design and implement a custom security solution based around the Ping Federate single sign-on system
- Develop generically reusable assets, frameworks and templates to improve the delivery time and quality of portal-based projects
- Work closely with the CRO Dashboard team to ensure successful and timely delivery of the Clinical View application (the first custom application to be developed for the Enterprise Portal)
- Responsible for the technical and software development lifecycle governance pertaining to all aspects of the Enterprise Portal
- Hands-on code development (SharePoint web parts, ASP.NET, C#, Web Services, HTML, jQuery, etc.) as required

Enterprise Architect, Global IT (2008) – CI Common Frameworks, Reuse Repository
During this period I lead the development of Clinical Informatics (CI) frameworks and the provision on the associated reuse repository. The CI frameworks were used in the development of a number of custom applications based around ASP.NET and the integration of a number of legacy systems using SOAP (.asmx) Web Services.

- Technically responsible for the design and development of the Clinical Informatics (CI) frameworks (C#, web services, ASP.NET)
- Work with CI application development teams and solution architects to create a productised CI framework, complete with associated training and reference materials, standards documentation and product roadmap
- Work with CI application project teams to provide architectural and development consultancy and assistance as required
- Work closely with Quintiles' SOA Architect to develop the necessary plans, standards and associated documentation to facilitate the successful integration and aggregation of legacy systems and services
- Implement a reusable asset repository using the BEA AquaLogic Enterprise Repository

Enterprise Architect, Global IT (2006 - 2007) – Clinical Informatics, QZone, SOA Initiative
I undertook a number of roles during this period, including architect and lead developer on two major projects, providing technical mentoring of the newly-formed SharePoint

team, and foundational work as part of Quintiles' SOA initiative.

- Architecture and development of the Site Start-Up application (C#, web services, ASP.NET)
- As part of the CI development team, deliver the initial phase of the Clinical Informatics/ Site Start-Up web application. This work included hands-on development, design and delivery of generic, reusable components and technical mentoring of other team members
- SharePoint Portal team mentoring. Provided on-going development, architectural support to the SharePoint Portal team. This work included development of generic, reusable components for Quintiles' SharePoint-based QZone Workplace project and developer training course delivery
- SOA vendor selection. Provided technical and architectural support during the selection of a SOA toolset vendor. This work included technical evaluation, site visits to potential vendors, writing detailed reports on vendor offerings, etc.
- Develop training materials and provide training and mentoring to development teams and individuals within Quintiles on assets such as the Clinical Informatics .NET core and the BEA SOA environment
- Architect and technical lead on the QPE 2 Project

Software Architect, QSRS division (2004 - 2005) – SMARRT CTMS, Integration Architecture
Reporting directly to the VP of Global Data Solutions, my role as Software Architect for Quintiles Strategic Research Services (QSRS) had a number of elements:

- Provide global technical leadership by identifying key technical decisions and directions
- Design a technology roadmap by rationalising heterogeneous software platforms and technology strategies
- Contribute in a hands-on way to all software development initiatives as required
- Throughout 2004 I provided technical mentoring and management of the San Francisco-based SMARRT development team. SMARRT is a Clinical Trial Management System (CTMS) written in ASP.NET, C#, SQL Server 2000 and SQL Server Reporting Services
- I designed and developed integration and interoperability system based around web services. Scalability and security were a key requirement and I designed "GISA" to utilise the authentication, encryption and digital certificate services provided by Microsoft Web Services Enhancements (WSE 2)
- Provide technical mentoring, training and hands-on development for Quintiles global implementation of Microsoft SharePoint Portal project. During the spring of 2004 Quintiles globally adopted Microsoft SharePoint Portal Server 2003 as the primary mechanism for presenting and sharing data with clients. I was a member of the project team that selected SharePoint and established the vision, requirements, plan and objectives for the Portal project

Insource Ltd.

Dates: 4th August 2003 – 30th January 2004

Address: 4 Southern Court, South Street, Reading, Berkshire, RG1 4QS
Position: Technical Architect and Development Manager
Main Projects:

- Insource ASP.NET Academy RAD Toolset (ASP.NET, SQL Server, C#, VB.NET)
- Omnicom Lease Liabilty System (ASP.NET, SQL Server)
- Peverel Insurance System (ASP.NET, VB.NET, SQL Server)

Summary of roles and responsibilities

Insource is a bespoke software development company who develop and utilise rapid application development tools and structured project management methodologies to provide software solutions for corporate clients. Insource is ISO 9001 certified and a Microsoft partner. As Technical Architect and Development Manager at Insource I had three main roles:

Technical Architecture and Development

- Design and architecture of all client solutions (.NET, ASP.NET, VB.NET, SQL Server, etc.)
- Hands-on development using Microsoft C#, ASP.NET, ADO.NET, SQL Server 2000
- Training and mentoring of development staff in .NET technologies

Project Management

- Project management of multiple, concurrent client projects using Insource's RAD/DSDM development methodology
- Introduction of modern OOA&D techniques (reuse, patterns, UML, etc.) and training of all business analysis and development staff in their use
- Delivering to market the Insource ASP.NET Academy RAD toolset (VB.NET and C#)
- Full responsibility for ensuring projects are completed on-time and within budget
- Management of all software development and support staff

Client-facing and Pre-sales

- Client requirements gathering
- Proposal production
- Developing and delivering training courses to technical and non-technical audiences
- Public speaking, including a recent series of public seminars jointly hosted with Microsoft to launch the Insource ASP.NET Academy RAD toolset

The main project undertaken was the development and successful launch of the Insource ASP.NET Academy RAD toolset. In addition to being marketed and sold as a development tool to clients, the toolset is used internally on all bespoke ASP.NET solutions. An add-on for Visual Studio .NET, Insource ASP.NET Academy can generate a complete, dynamically configurable, menu-driven web application. This includes the generation of common infrastructure such as authentication, reporting, role-based permissions, etc. All code generated is standard Microsoft VB.NET or C# code. The toolset may be used to generate database stored procedures, views and triggers. It also provides the wizard-based creation of a variety of ASP.NET data access web forms. In addition to having sole project management responsibility for successfully bringing the product to market in December

2003, I was also involved in hands-on development of the product (C#) and the creation of all training and user documentation materials.

.NET Consultancy and Training

Dates: September 2002 – July 2003
Position: Freelance Consultant and Trainer
Main Projects: Development and delivery of .NET consultancy and training materials

Softwright Solutions Ltd.

Dates: 27th August 1996 – 31st June 2002
Address: The Langley Business Centre, 11-49 Station Road, Langley, Berks, SL3 8YT
Position: Senior Technical Consultant and Project Manager
                Additional responsibilities for Quality Management (ISO 9001/TickIT),
                Enterprise Computing Technical Focus Group, Best Practice,
                RAD/DSDM Methodologies and Software Reuse
Main Projects: DocCtrl (document control system, .NET)
                eCommunity (web-based business community, Java)
                Gismo (TV program scheduling, RADwright)
                RADwright (object framework, Delphi/Java)
                RAMS (reusable software component repository, Java)

Summary of roles and responsibilities
Softwright provide consultancy and application development services for corporate customers. Softwright's main business is the design and delivery of e-business systems. The company is ISO 9001 certified, and specialises in reuse and component-based software development and the pragmatic application of leading-edge technologies and techniques.

Softwright were early adopters of .NET technologies and I was responsible for the design and architecture, project management and hands-on development of a web-based document control system developed using Microsoft .NET technologies (C#, ASP.NET, ADO.NET, Web Services and SQL Server 2000). The Softwright document control system is based on a n-tier architecture: the client uses a standard web browser; a web server hosts the client ASP.NET application and web services; business rules and data access are encapsulated in .NET assemblies deployed to a separate tier; an SQL Server stores document control data.

I was recruited in 1996 to manage the development and "productisation" of the RADwright object framework. RADwright is a toolkit for the development of multi-tier, three layer architecture applications. Initially successfully delivered for the Delphi platform in 1997, RADwright was re-implemented using Java and XML in 1999. The RADwright toolkit is extensively used by Softwright project teams for the development of client solutions, including a high-profile TV and Radio scheduling application (*Gismo*) for the BBC. My work as RADwright project manager included:

- Project management of the design, implementation, testing and delivery of RADwright
- Management and mentoring of separate development, testing and documentation teams
- Pre-sales meetings and demonstrations to prospective clients
- Preparing work proposals for prospective clients
- Management of a partnership agreement with Borland, including speaking on RADwright and related technologies at seminars and public meetings

Other projects undertaken include:

- Developed and delivered training to all UK mobile telecom Service Providers on the Softwright Mobile Number Portability (MNP) software (Java/XML/Oracle).
- Provide consultancy and training to major corporations on the American Express FlightPower system software developed by Softwright (SQL Server and Cognos Impromptu)
- Developed and delivered the Softwright DSDM/RAD training course
- Project Manager for the Softwright reuse initiative
- Project Manager for the development of a web-based eBusiness community
- Responsible for the Softwright Best Practice scheme
- Project Manager and designer of Softwright Reusable Asset Management System (Java)
- Project Manager of RADwright Connect (RADwright to SSA BPCS [an ERP system] connectivity)
- In 1998 I was appointed company Asset Manager and given responsibility for the development and implementation of company initiatives on Quality (ISO 9001), Reuse and Asset Creation

Taxsoft Ltd.

Dates: January 1994 – August 1996
Address: Taxsoft, Addington House, 5 Compton Rd, London SW19 7QA
Position: Systems Group Manager
Projects: Windows System Software (Visual C++/MFC)

Based in Wimbledon, South London, Taxsoft employ about 100 staff and are the market leading supplier of taxation software which is designed for use by accountants and other "taxation professionals". My brief on joining Taxsoft in January 1994 was to evaluate the company's DOS/C development methodologies and system architecture and to recommend and implement a complete strategy for taking the entire product suite to Microsoft Windows.

Because of the very specialist nature of the software Taxsoft has split the development process into two parts: *Application* - the "tax-aware" code, written by taxation specialists using a simple BASIC-like language (actually C macros). User input/output "screens" and their logical connections are drawn as "pictures". *System* - the system provides a range of services (database, menus, input/output screens of various types, "picture" interpreters, API functions, report writers, spreadsheet tools, etc.) that are used by the application programmers.

The main aspects of the strategy I implemented for moving Taxsoft products to Windows were:

- Keep the application code used in the DOS product suite *unchanged* (it was designed to be system-independent)
- Discard the old DOS system software and replace it with a (16-bit) Visual C++/MFC-based Windows system written from scratch - this formed the bulk of the development work
- Modify the existing in-house developed database engine to work in a Windows environment, thus ensuring complete data compatibility between the DOS and Windows versions

The major elements for implementing the Windows porting strategy that I undertook were:

- The recruitment and project leading of a team of Visual C++ programmers
- The design and implementation of the fundamental C++ classes used by the *Windows System Software* (WSS)
- Executive and Technical presentations to major customers
- Hands-on programming (on a daily basis) as part of the development team
- The implementation of a source control system (Polytron Version Control System)
- The planning of project lifetime using Hoskyns Project Management Workbench (PMW)
- Weekly progress reporting to the Director of Development and the Managing Director

The project was successfully completed in March 1996.

Data by Design

Dates: July 1993 – Jan 1994
Address: Harbour Yard, Chelsea Harbour, SW10 0XD
Position: Development Team Leader
Projects: Marketing Workstation (Visual C++/MFC)

Data by Design provide specialist computing services for marketing professionals. Their main product is a powerful Windows-based database application - The Marketing Workstation (MWS). The MWS is designed to be very powerful, use jargon specific to each customer (each product is individually tailored to customer requirements), produce mail-shots that target specific groups through the use of statistical analysis and allow non-computer professionals to produce sophisticated database queries, searches and analyses in a point & click environment.

I was recruited to take the original Marketing Workstation, written in Microsoft C/SDK and the Faircom C-Tree binary tree library, and re-write it for Microsoft Windows using more modern tools/languages so that customisation, modification and support became faster, easier and more cost-effective. To achieve the company objectives I:

- Introduced the use of Microsoft Visual C++
- Introduced a source code control system
- Introduced and installed a new Novell network for development programmers

- Produced two demonstration versions of the product in Visual C++
- Wrote comprehensive tutorials to assist programmers learning C++ and Visual C++
- Held classes to teach C++
- Re-wrote the specification for the Marketing Workstation product, designed the fundamental C++ classes and provided the basic program structure used by all developers
- Wrote documentation and specifications for product modules and C++ classes
- Recruited additional programmers to augment the original development team of three

I reported directly to the Technical Director and produced a weekly progress report and project schedule. The product was launched in March 1994.

Informix Software Ltd

Dates: August 1989 – March 1993
Address: Littleton Road, Ashford, Middlesex, TW15 1TZ
Positions: Corporate Technical Manager (2 years, final position)
                Technical Support Manager (1.5 years, 20 staff)
                SQL Technical Consultant (6 months)
                Smart Technical Consultant (6 months, first position)
Projects: SmartWare II (DOS)
                SmartWare III (Windows/SDK)

Informix software is one of the major suppliers of database management software and tools. In my final position as Corporate Technical Manager (SmartWare) my responsibility was the management and co-ordination of all world-wide (UK, Germany and Kansas and Portland Maine in the United States) SmartWare development staff (approximately 25 in total), resources and technical issues, including R&D, Quality Assurance, Beta/Alpha Testing, Corporate customer liaison, User Group liaison, public speaking on technical issues relating to Smart, production/editing of subscription-based magazine "Get Smart". The position demanded visits to Informix offices in Kansas, Maine and Germany as well as to offices of international corporate clients. Projects included:

- Architecture, design, specification, implementation and project management of SmartWare III for MS-Windows using Microsoft C/SDK and Microsoft C++
- Architecture, design, specification, implementation and project management (including R&D, QA, Documentation, Alpha/Beta testing) of SmartWare II versions 1.5 (released February 1991 after 12 months development), 1.51 (March 1992) and 1.51-IE (May 1992)

NACRO

Dates: November 1986 – July 1989
Address: 55, Bradford Street, Birmingham
Position: Software Engineer

Projects: Design and coding of various office automation systems using C,
              80x86 Assembler and the Smart Programming Language