

Curriculum Vitae

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Nationality EU National. I was also awarded a US H1B ("Specialty Occupation") Visa during the mid-1990s.

Academic Summary

1979 – 1986	St. Margaret's C.E. High School, Liverpool, UK	8 'O' levels including Maths and English; 2 CSEs; 2 'AO' levels; 3 'A' levels including Maths and Physics
1986 – 1989	University of Wales, Cardiff, CF1 3TH, UK	B. Sc. (Hons) in Physics (2:1)

Skills Summary

- ◆ Overall Design, Analysis and Development Experience
 - commercial software development, since 1989, including systems design and architecture since 1995
 - Object-oriented background, languages include C#, C++, C, VB/VBScript/ASP, Java, Javascript, JSP
 - experience of tiered, component-based systems, including Client-Server, distributed (RMI, CORBA, DCOM) and loose coupling (MQ, Tibco, MSMQ, HTTP, SOAP/Web Services)
 - Case tools (Rational Rose, Visual Modeller, Visio, Enterprise Architect), UML and patterns.
 - .NET experience (predominantly C#), 3+ years total, including v2.0 since November 2005
- ◆ Internet Technologies
 - Lead roles in both electronic commerce and electronic banking products
 - Knowledge of ASPX, ASP, JSP, servlets, Web Services, ISAPI and Acrobat development.
 - Security knowledge, familiar with RSA products (TIPEM, ACE, WebID) and usage
 - Infrastructure design (e.g. firewalls, load balancers, IDS)
 - Performance metering (Segue Silkperformer, Veritas I3)
- ◆ Component-based Systems
 - have been working with OLE/COM components since 1995 (VB, C++/ATL, MTS, COM+)
 - Around 12 months EJB, J2EE-based solutions
 - Middleware/Messaging since 1997, including MQ, Tibco, MSMQ, HTTP and Krypton
 - product selections performed on App Servers, Content Management and Data Translation products
 - have worked with several commercial Encryption/Security components (RSA TIPEM, RSA ACE)
- ◆ Data Storage and Translation
 - relational database skills since 1994, also experience of o-o and hierarchical designs
 - Strong Data Modelling skills – exposure also to Case Tools (Erwin)
 - Connectivity (e.g. ADO, ODBC) and T-SQL Language skills. Proficient with e.g. SQL Navigator
 - Experience of Oracle 8i – 10g, and MS SQL Server from v4 - 2000
 - Use of XML (including schemae, xslt) widely since 1999.
 - Data Translation – familiar with Mercator and exposure to Biztalk and NEON
- ◆ Business Experience
 - 10+ years' experience in financial environments (private/commercial/retail banking; asset management)
 - 4+ years' experience in science research, including mathematical modelling
 - 2+ years' experience developing purely commercial software (IBM, Dr Solomon's)

Career Summary

I graduated in 1989, joining the UK Atomic Energy Authority as a Scientist. I became involved in the design and development of in-house software mainly using C++. In 1994 I joined Dr Solomon's software house as a Software Engineer, and within three months I was leading projects. Ultimately I was involved in the release of four products. In 1995 I joined BVR Corporation, a small company involved in a joint venture with Barclaycard, on a leading-edge e-Procurement application. My roles there included Project Management, Technical Architecture and some hands-on development. Within this environment I spent several months working in the USA, concentrating on technical strategy, and helping clinch a deal with Chase Manhattan which secured BVR's entry into the US marketplace.

Having returned to the UK and formed a software consultancy, my first contract was with IBM, and was a port to Windows NT of an add-on to MQ Series. I then became involved with Barclays Bank in a corporate Electronic Banking project. This role was a split between development and technical architecture. I took on a similar role at Nationwide Building Society, helping them design and implement their Online Banking system. I then did some architecture work for buy.com, an e-tailer attempting to factor more flexibility and resilience into their existing web site.

A return to the finance sector saw me working with Coutts & Co between July 2000 and July 2002, as a Technical Architect within their eCommerce team. In parallel to this assignment, I invested significantly in training in order to bring my technical skills up to date (.NET in particular). This resulted in securing a couple of small contracts with local clients, and successfully delivering a series of .NET projects to them. In October 2002 I began working in the field of Asset Management, with GAM (now a subsidiary of Julius Bär, which has AuM of over CHF300 billion (Mar 2006), formerly owned by UBS). This work was both green-field and brown-field in nature, and has involved working in a number of areas including Dealing systems, a Client Invoicing package and an in-house CRM system.

Career Details

GAM UK Ltd 12 St James's Place, London, SW1A 1NX http://www.gam.com	Oct 2002 –
Role: Technical Consultant - Architecture, Analysis, Design, Development	

- Technical lead on a Client Invoicing system (Swiss users, privacy issues). This involved re-architecting an existing system into a cleaner, tiered system. Introduction of interface-based approaches (patterns, UML).
- Technical lead on an intranet-based Telephone Dealing System. Performance was critical - a previous system had been rejected for that very reason. The system now captures 70% of the client's deals on non-managed portfolios.
- Technical lead on a major project to upgrade the client's Fund of Fund trading system
- Microsoft/Oracle house – since 2004 greenfield work has been in .NET (C#, ADO, Winforms, SOAP, v1.1 and v2.0), but multiple legacy systems also (ASP, Javascript, XML/XSLT, VB6/COM+, ADO, MSMQ)

MicroCrest Software 2nd Floor, 145-157 St John St, London, EC1V 4PY http://www.microcrest.com	Feb 2002 – May 2005
Role: Technical Principal	

- Small, loss-leading projects designed as a springboard toward mastering .NET technology
- Responsible for all aspects - Data Model, Use Cases (UML, Rational Rose), testing, plus the applications themselves
- SQL 2000, VB.NET/ADO.NET Data Service components (later ported to C#), ASP.NET (C#) front end
- Responsible not only for application design but for infrastructure design too.

Coutts & Co Princess House, 27 Bush Lane, London, EC4R OAA http://www.coutts.com , http://www.440strand.com	July 2000 – July 2002
Role: Technical Architect	

- Engaged to assist with Coutts' eCommerce activities, also provided input in several other areas of the bank
- Provided technical leadership/direction to team of up to 6 people.
- Responsible for the architecture of "Coutts Online", a greenfield £10M web portal (Rational Rose, UML, J2EE)
- Ran Product Selection processes – Platform (Microsoft, J2EE), App Server (WebLogic, Websphere), Content Management System (Interwoven, Documentum, Vignette).
- Due Diligence was key, including extensive interaction with (potential) suppliers.
- Overall technical responsibility for existing Online Banking service (ASP, VB, ATL, SQL, Tibco, Oracle, RSA ACE)
- Overall technical responsibility for several service enhancements, including Online Investment Reporting (data retrieved from QUASAR through an Eagle PACE hub), Secure Messaging, and Quicken/Money statement downloads
- Heavily involved in workshops to determine Coutts' technical strategy, also integration into RBS systems.

Buy.com 14 Flood Walk, London, SW3 5RG http://www.buy.com	Mar 2000 – July 2000
Role: Technical Architect	

- Brought in to refactor 2-tier B2C site (ASP & SQL Server) toward a scalable, *n*-tier, COM-based system
- Rational Rose/UML for design, into Microsoft DNA, W2K, COM+, IIS 5 production environment.
- Guided site performance analysis (Segue SilkPerformer)
- Performed Product Selection for Data Translation Product (Mercator and NEON)

Nationwide Building Society Nationwide House, Pipers Way, Swindon, SN38 1NW http://www.nationwide.co.uk	Mar 1999 – Mar 2000
Role: Technical Architecture, analysis, design and development. Also Team Leading and Project Management.	

- Internet Banking product, Microsoft-based architectures (IIS, COM, XML, ASP, VB, ATL, MTS, SQL Server).
- Primarily involved with the Online Application Forms area of the Nationwide site. Defined data and object models (Visual Modeller), some hands-on development (ASP, VB, C++/ATL), also some PoC work (alternate technologies e.g. PDF).
- Involved with Nationwide's technical strategists, formulating policies for the bank as a whole
- Directed a team of 6, including project planning, tracking and technical guidance
- Became sufficiently knowledgeable about the business that I performed some Business Analysis also.

Barclays Bank plc Barclays House, 1 Wimbourne Road, Poole, Dorset, BH15 2BB http://www.barclays.co.uk	Sept 1997 - Mar 1999
Role: System Design and Architecture, development of "specialised" components.	

- Worked on the "BusinessMaster Virtual" corporate online banking product.
- *n*-tier architecture: NT Web Servers fronting Tandem systems, using "Krypton" CORBA-based messaging product
- Involved in end-to-end architecture. Niche areas included a system-wide error handling strategy, multi-user access, session management, authentication, hardware specifications and database design.
- Hands-on work included development of COM components (VB, C++/ATL), Presentation logic (HTML, ASP, Javascript), ISAPI filtering and Installshield Setup programs for deployment, even some SourceSafe automation!

IBM IBM UK Laboratories, Hursley Park, Winchester, SO21 2JN http://www.ibm.com	Mar - Sept 1997
Role: Software Engineer	

- Worked in the IBM MQ Series Department, porting the MQ Series Three Tier Option Pack to Windows NT
<http://www.ibm.com/mqseries>
- Extensive use of C/C++ and the Windows 32 SDK, including the development of OCX controls

BVR Corporation Ltd Villiers House, Clarendon Court, Leamington Spa, CV32 5PR Also 55 Water St, New York City, USA	Sept 1995 - Jan 1997
Role: typical wide-ranging role within a small e-Commerce company. Initially involved in Business Analysis and Technical Architecture, I went on to manage the Development effort (a team of 8), get involved in development myself, and to help the company set up its US operation.	

- Barclaycard- and Chase Manhattan-backed Internet Electronic Commerce solution
- Widespread adoption of Microsoft-based architecture, including OLE, ODBC, MFC and SQL Server.
- Use of Rational Rose and Erwin as Case tools
- Development of "specialised" components, such as MAPI extensions, encryption libraries (PKI using RSA TIPEM toolkit) and Java applets
- Experience of working in USA in Wall Street banking environment

Dr Solomon's Software Alton House, Gatehouse Way, Aylesbury, HP19 3XU http://www.drsolomon.com	Feb 1994 - Sept 1995
Role: a split between Design/Development and Project Leading	

- Lead Developer on a Helpdesk product, an introduction to VB3, Crystal Reports, and to Windows programming
- Lead Developer on port of Dr Solomon's Anti-Virus Toolkit to Windows NT v3.5
- Designer/Author of Dr Solomon's Scheduler utility. 16- and 32-bit versions were developed using Visual C++ and MFC. This shipped with all MS-Windows versions of the Dr Solomon's Anti-Virus Toolkit
- Quality Assurance – lead role in defining the Coding Standard for BS 5750 (Tick-IT)
- Technical Authoring; Functional and Design Specifications, Help texts and Release Notes
- Technical Presentations at both seminars (up to 100 people) and Computer Fairs

UK Atomic Energy Authority (AEA Technology) Culham Laboratory, Abingdon, Oxford, OX14 3DB http://www.aeat.co.uk	Oct 1989 - Feb 1994
Role: Design and Development of in-house software, mainly using C++ under MS-DOS	

- Security-Cleared role
- Over 4 years experience in C++ and Object Oriented development. Also some Pascal, Fortran, some Assembler
- Developed real-time test facility control/acquisition software, also complex processing/analysis software
- Documentation - User Manuals, Reports and Conference Papers
- Early adoption of Case Tools (Easycase)
- Quality Assurance - developed software procedures for ISO 9000/BS5750.