



**ICS DreamTeam Member No 2342 CV**

**Profile:**

- He is one of the most versatile developers in the industry, having spent many years developing and delivering mission-critical projects to a variety of organisations. He is well-versed in a number of technologies, all the way from embedded systems through standalone Win32 GUI programs all the way up to enterprise-class web-based applications. This has involved a wide array of languages and technologies, including C++, Java, Ruby On Rails, Python, many different relational databases (MySQL, Oracle, Informix as well as simpler systems like Btrieve) and many different operating systems (Solaris, Linux, Irix, HPUX, AIX, Windows NT/2000/2003, OpenVMS, MS-DOS, OS/2).
- He is looking for a senior technical or team-lead role, although he is prepared to perform a short-term contract role if required.
- His clients and employment have mostly been in the domains of telecoms/ISP, network management and machine control for the automotive and pharmaceutical industries. This has involved a range of different hardware and software platforms, including many so-called 'embedded' or resource-constrained environments including embedded ARM Linux, a 640Kb (+ 3Mb external storage) DOS 3.3 environment and an 8-bit 128Kb + 512Kb storage EPOS terminal.
- He pride him on his object-orientated design skills and application of appropriate design patterns, however he is always ready to both teach and learn more of those skills. He is a firm advocate of formal review processes; he was taught the Fagan process whilst a graduate at ICL and have recently become an advocate of some of the practices associated with agile methods and extreme programming. His problem solving and analytical skills have always been strong; he has found problems in unfamiliar code within a few hours. He is an enthusiastic person who is always keen to learn new tools, and he is always willing to 'go the extra mile' to achieve quality software in the shortest time possible.
- He has been involved in an internet server co-operative for over 10 years, which has led his knowledge to expand into the areas of configuration and release management. He has set-up Apache, Tomcat, Subversion, CVS, ClearCase and other server systems at one time or another, and have often been involved in training staff how to use SCM tools effectively.
- He has currently looking for a dynamic employer who will allow him to apply and develop his abilities in both technical and soft arenas.
- He has fair experience with TCP/IP protocols including HTTP, SMTP, POP3, FTP, SNMP and others. He also has a reasonable grasp of security issues such as SSL, PGP/PKI, firewalls and IDS technologies.
- He is always looking to enhance his development knowledge and skills in all aspects, and have spent the last couple of years learning to appreciate dynamically typed languages such as Python and Ruby.

**Technical Skills Summary:**

C++ with OOA/OOD (Booch/OMT/UML/MFC)	15 years
Linux/Solaris / Irox	10 years
C#/ .NET	1 year
Ruby on Rails	1 year



[www.ics.net](http://www.ics.net)  
[dreamteam@ics.net](mailto:dreamteam@ics.net)  
 +44 (0)1256 403800

Borland C++	2 years
Embedded Systems	4 years
Windows NT/2000/XP	8 years
X-Windows & Motif	3 years
Oracle	3 years
PHP	3 years
J2EE (JSP/Servlets/EJB/WebLogic)	2 years
DHTML	3 years
Java (Beans, Multithreading, JDBC)	4 years
Perl/CGI	4 years
XML (SAX/DOM//Schemas)	1 year
SNMP	2 years
SQL (MySQL, Sybase, Stored Procedures)	5 years
Apache Web Server	8 years
COM/DCOM	18 months
Rational Rose	18 months
Python	1 year
Agile/TDD/XP	4 years
Peer-to-peer	4 years
Web Services / WSDL	1 year

### Work Experience:

From – To: March 2007 – December 2009

Description: Currently involved in rescuing a failing development project, working closely with a project manager to deliver a complete software program including integration and management of 3rd-party suppliers.

- Also senior software engineer on a number of diverse projects, involving embedded Linux and Windows XP as well as several projects using .NET and C# technologies. Always willing to 'step in' to help any project where possible and in any capacity.

Customer: Intrinsic Networks, Stevenage, Herts

From – To: June 2009

Description: A 2week contract working closely with the head of PC development, developing a C++ application using MS-XML and XSLT to create a seamless build and release system for Brawn's complex C++/C#/VB.NET application base.

Customer: Brawn F1 Team, Brackley, Northants

From – To: June 2007 – January 2008

Description: Led a 4-person C++ team alongside a Java team in an SCRUM environment producing portals, web services and MQ software to support an on-line game. Here he was an advocate of TDD, continuous integration, coding and source-control standards.

Customer: Skill Gaming Ltd, London

From – To: September 2006 – March 2007

Description: Spent 6 months leading a small software team for Renault F1, where he successfully introduced unit testing, refactoring and continuous Integration using Borland C++ 2006 and Xpath/Xquery whilst continuing to deliver bug-fixes and the required enhancements for the new 2007 car.

Customer: Renault F1 Team, Enstone, Oxon

From – To: December 2002 - September 2006

Description: Created peer-to-peer audio and video streaming software from scratch, supporting all major streaming formats and 4 OS platforms. Mostly C++, with

some Java and Python. Code was heavily multi-threaded using Active/X for IE deployment, NPAPI firefox plugin and WebStart on Apple Mac OS X. Assisted in the successful acquisition of \$4m venture capital backing for the company in July 2005. Subsequently hired and led a team of 6 developers using agile practices including test-driven development and lightweight project tracking techniques enabling the team to react effectively to changes in requirements from the sales force.

Customer: Rawflow Ltd, London

From – To: September 2002 - November 2002

Description: Developed Weblogic-based EJB for smart interfacing into Worldpay credit card authentication service. Sent on to client site to trouble-shoot general system problems; result was a number of recommendations: introduction of source control, reduction of class sizes (typical size was 1 EJB, 1800 lines of code), removal of duplicated logic and procedures to examine live logfiles so that insidious system faults were identified, examination of load on application and database servers during high traffic incidents leading to optimization of SQL and database usage.

Customer: Nettec, Surrey

From – To: February 2001 - April 2002

Description: Senior software engineer. Prototyped, designed, developed, tested and integrated the majority of a major subsystem (automated liquid store) into a large (40 man-year) software project for an automated sample retrieval system for one of the world's largest drug companies. Included working with 3rd-party libraries for image capture from a sophisticated 2D barcode reader device, resilient (software and hardware) machine control interfaces and working with hardware test engineers for their automated scripting requirements. Used Visual C++, UML/Rose, Sybase SQL, COM, DCOM and ATL.

Customer: The Automation Partnership, Herts

From – To: October 1999 - December 2000

Description: Senior Software Engineer. Full life-cycle on a number of projects for Gameplay (Integration of OpenTV transaction feed with Maginus order dispatch software (including web-based admin tool). Re-design of main eCommerce website and subsequent integration with Maginus. Multi-channel product management package (for delivery to multiple idTV and web-based platforms) and specific website channel development (Yahoo and BTSpree partners). Developed using Java, J2EE (JSP/Servlets), Perl, XML, HTML and Oracle SQL.

Customer: Nettec (ex Point 4), Surrey

From – To: September 2000 - October 2000

Description: Fixed-price deliverable for a small (now defunct) dot-com company: added mail distribution, dynamic graphics and portfolio management features to MyAdMedia website using PHP3 (Phplib), MySQL, HTML and Javascript.

Customer: MyAdMedia.Com

From – To: July 1999 - October 1999

Description: Senior Software Engineer. Full lifecycle on value mad shopping robot project, with specific focus on multi-threaded shopping robot engine and XML configuration thereof. Development done in C++ (gcc) with XML. Successfully introduced Linux into organisation, originally to ease load on single Solaris compile target and ultimately as a viable clustered solution for shopping robot application.

Customer: Hyperlink, London

- From – To:** May 1998 - March 1999  
**Description:** Senior Software Engineer. Bug-fixes and new development on Digitivity's multi-platform (Solaris and NT) multi-threaded 'Cage' product in C++. Produced re-design of one core component of product before company taken over by Citrix. Worked on Java and C++ SOCKS clients, and configuration and release management systems.  
**Customer:** Citrix Systems, Cambridge
- From – To:** April 1998 - May 1998  
**Description:** Single deliverable of a web-front end for convertible bond price data from an e-mail based feed, and the subsequent integration of that data into Excel spreadsheets for use in COM-based pricing models. Used Perl CGI for web work and Excel VBA for spreadsheet integration.  
**Customer:** Monis Software, London
- From – To:** August 1997 - April 1998  
**Description:** Team Leader of team of 3 enhancing a custom network management system written in Cabletron Spectrum and C++. Performed many functional enhancements to the existing product while porting from Spectrum v3 to v4; also put in place a configuration management system based on SCCS.  
**Customer:** Cogent, (Northern Telecom), Essex
- From – To:** September 1996 - June 1997  
**Description:** Developed middleware-type multi-threaded client-server framework application in Visual C++ 4.2, MFC and ADO under Windows NT4.0, supporting extensible real-time instrument control and results analysis applications.  
**Customer:** Intrinsic Networks, Herts
- From – To:** May 1996 - August 1996  
**Description:** Added new devices to Transcend DeviceView, a Motif & SNMP based C++ application running under SunOS, Solaris, HP-UX and AIX using Rogue WaveTools.h++ and Views.h++. OO approach ensured that new devices could be supported with minimum coding effort.  
**Customer:** 3Com, Herts
- From – To:** January 1996 - April 1996  
**Description:** Re-design and semi-complete rewrite of core functionality of Point4 Application Server. Successfully introduced Lex & Yacc tools for parsing P4ML control language.  
**Customer:** Point 4 Consulting, Surrey
- From – To:** August 1995 - November 1995  
**Description:** Worked in small team producing enhancements and bug fixes to warehouse management system written in SeaChange 4GL (Vn 4.4) under SCOUnix. Produced EDI link to customer's inventory system allowing remote tracking of palleted products.  
**Customer:** Process Control Ltd, High Wycombe
- From – To:** May 1995 - July 1995  
**Description:** Worked on Demon's dial-up front-end system interfacing Ascend Terminal Servers into the existing UNIX architecture adding Radius authentication protocol.  
**Customer:** Demon Internet, Finchley

From – To: Jul 1994 - March 1995

Description: Developed core Solaris-based client-server tools using SPARCWorks C++, ESQL, XVT and RogueWave. Later successfully introduced C++ into hand-held DOS 3.x application.

Customer: British Telecom, Suffolk

From – To: May 1992 - June 1994

Description: Technical leader of 5 people developing mostly front-office financial software in Visual Basic and C++ under Windows and OpenVMS.

Customer: BARRA International, London

From – To: August 1984 - May 1992

Description: Graduate analyst programmer in ICL (Retail) in both Bracknell and later in Dallas, Texas and Santa Clara, California. Ultimately technical team leader of 5 people.

### Education:

1980-1984 1st class B.Sc. in Mathematics (University of Wales)

ICL Computer Studies prize, Latham Science Scholarship

1973-1980 4 'A' Levels (all grade 'A' – Applied Maths, Pure Maths, Physics, and Chemistry)

2 'S' Levels (Distinction and Merit) in Pure and Applied Maths respectively

11 'O' Levels (5 grades 'A', 3 grades 'B', 3 grade 'C')

### Professional Experience:

He currently run a Linux-based web hosting service for a number of small clients, and has been developing a number of Ruby-on-Rails applications.