

James Crisp

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Professional Summary

- Senior Developer with EDI, an international software company with 60 developers in Sydney.
- Designed and built an enterprise-wide, layered architecture and framework used for all development at EDI.
- Awarded the **University Medal** and **First Class Honours** in Computer Science at UTS.
- Graduate of Cisco Certified Network Associate (CCNA) program.
- Proven technical, leadership, teamwork, project management and mentoring skills.

Technical Skills

Programming:	C#, .NET, Java, J2EE, C, C++, MFC, PHP, HTML, JavaScript, SQL, Perl, XML, XSLT, Visual Basic, Eiffel, Miranda.
Design:	Object oriented modelling, layered architecture, n-tier architecture, UML, database design and design-patterns.
Databases:	Microsoft SQL Server 2000, Oracle, Sybase, MySQL, PostgreSQL, Versant (OODB).
OS:	Windows 95-2003/NT/XP, PalmOS, MacOS X, Solaris, Linux, DOS, Cisco IOS.
Networking:	Design, management and cabling. Host, server, router and switch configuration.

Experience

Senior Developer (2004 - Present) and Developer (2003 - 2004) at EDI

- Founder and member of 3-person software architecture team at EDI. Designed and built the layered software architecture and development framework for the solution suite "EDI Enterprise". The suite has several hundred screens and over 4,000,000 lines of C# .NET code. It has a rich-client interface (.Net Windows Forms), a MS SQL Server back-end and additionally provides a web interface (.Net Web Forms) and web services. There are 60 full-time developers working on "EDI Enterprise".
- Co-project managing and developing several integration projects between different parts of the system, including multi-country customs systems, warehousing and accounting.
- Spend approximately 50% of working hours in a coaching / reviewing role, helping other developers solve problems and improve their design skills and coding practices.
- Write and maintain coding standards and best-practices documentation for development and perform code reviews.
- Meet complex design challenges and tight deadlines. Report directly to the CEO.
- Employ a test-driven development methodology loosely based on Extreme Programming (XP).

Developer at Sun Microsystems, Silicon Valley, USA (2000-2001)

- Developed Java Bean based architecture and development framework for a large, company-wide information management project.
- Designed user interfaces for a number of large-scale web projects.
- Developed web based systems in Java and Perl for information and project management.
- Developed Java applications for database administration and monitoring.
- Developed and administered large databases (Oracle, Sybase, PostgreSQL).
- Developed and maintained numerous web sites and a server lab.

Contract Software Development (1998 – 2004)

Worked as a contract software developer and consultant, delivering end-to-end solutions.

- Developed several versions of WardWatch (<http://www.torlesse.com/wardwatch/>), a Palm organiser application (C, C++) for doctors on ward rounds. Also developed a Windows (C++) application to synchronise data with the Palm application (Torlesse Systems, 2001-2004).
- Led a small team of consultants in order to identify the problems with a company's computerised billing, invoicing and accounting system. Extracted and backed up corporate data and recommended software and hardware upgrade strategies. Migrated them to new system (JM Hauling, 2001).
- Analysed the mobile computing requirements of a large pathology service and developed a suite of applications that provided pathology information on the Palm organiser (C, C++). Built infrastructure (C++, Visual Basic) to regularly update the data on the Palm using the internet (Pacific Laboratory Medicine Services, 1999-2000).
- Analysed the computerised billing requirements of a six-doctor GP practice. Developed a billing and account management system (C++) for the practice. Trained secretarial staff to use the system (North Turrumurra Medical Practice, 1998–1999).
- Designed and developed a database for tracking accidents in schools, universities, TAFEs and industry. Also developed Perl/HTML interface for searching, viewing and adding to the database from the internet (Ecosolve, 2000).
- Wrote software (C++) that generates and marks multiple-choice exams. It grades students and stores their results for review by academics (University of New South Wales, 1998).

Contract Web Design (1998 - 2003)

Designed the following web sites for clients:

- Australian Thermic Lance Company (<http://www.krl.com.au>)
- Perisher Ski Patrol (<http://www.nsw-ski-patrol.org.au/perisher>)
- New South Wales Ski Patrol (<http://www.nsw-ski-patrol.org.au/>)

Created the following website for my contract work and products:

- Crisp Design (<http://crispdesign.net/>)

Contract Network Engineering (2000, 2002)

Analysed the networking requirements of a home/small business. Built a local area network for eight computers. This included designing a network topology, running cables, installing networking hardware and configuring computers. In 2002, installed and configured a router and broadband link to provide permanent internet access for the network.

Shareware Software Development (1997 – 1999)

- Developed *Regarde – Equation Graphing Software* (<http://crispdesign.net/regarde/>), a package for plotting mathematical equations, while at high school.
- Sold 80 user licences for *Regarde* including 3 site licenses to schools, over 20 single user licences to individuals and educational institutions, and several licences over the internet to overseas teachers.

Teaching at University of Technology, Sydney (2000)

- Taught UNIX to first year university students.
- Administered and designed workspaces for students and subjects using Java Livenet technology (<http://livenet.it.uts.edu.au>) as a member of a joint academic and developer team.
- Developed teaching literature and provided technical support to students using Livenet.

Education

University of Technology, Sydney (1999 – 2002)

Four Year Degree

Bachelor of Science in Computing Science, Diploma in Information Technology Professional Practice, with First Class Honours and University Medal.

Awards

- University Medal (for exceptional merit)
- First Class Honours
- Equant Prize for Academic Excellence (first in the year in final year of Computer Science)
- Skillsearch Software Development Case Study Prize (led team of 7 that came first in the year in a full-year software design and development project)

Highlights

- Achieved a High Distinction average of 93% over the course of the degree (92% first year, 97% second year, 95% third year, 92% fourth year).
- Received perfect scores (100%) in three subjects.
- Led a team of 9 IT students developing a sales system in third year. The team scored a high distinction average and I was awarded the highest mark in the year, 98%, by my team.
- In final year, led a team of 7 IT students developing a groupware system based on a case study. We built the best solution in the year and were awarded the SkillSearch Software Development Case Study Prize. My team awarded me 99% for the subject by peer assessment.

Cisco Career Certifications

- Cisco Certified Network Associate (CCNA), graduated with 93%.
- Completed the Cisco Academy program, scoring 99%, 96%, 100% and 100% in the 4 exams.

Sydney Grammar School (1992 - 1998)

Academic Performance

- University Admission Index (UAI) of 99.4 in 1998.
- HSC Subjects: 2u English (Related), 3u French, 3u Maths, 2u Chemistry, 2u Biology.
- Prizes: Design and Technology (1996), Biology (1997, 1998), Head Master's Exhibition (1995-1998).
- Biology Olympiad Scholar (one of the top 14 biology students in Australia in 1997). Chemistry Quiz High Distinctions (1996-1998).

Club/Society Memberships

- Head of Programming Club (1997-1998) and member of Computing Club.
- Member of Les Peut-être Poètes, Senior French Poetry Club and member of Chess Club.
- Played in the Sheldon Symphony Orchestra.

Languages

- English – native language.
- French – studied for 6 years at high school and have spent time in France and Quebec.

Other Interests

I enjoy Wing Chun (martial-art), swimming, camping and bushwalking. I play the trumpet and like listening to music. I am a member of Rotaract (<http://www.sydneycityrotaract.org>), a community club like Rotary, but for under 30s. I'm interested in science, computing, foreign languages, current affairs and travelling. I enjoy going to plays and watching films, reading a wide variety of fiction and going out with friends. I also enjoy cooking and brewing.