

Andrew C. Stuart

Scanraid Ltd (Reg. No 3130470)

<http://www.scanraid.com>

Last updated: 1st September 2009

Personal Information

Nationality: British
Status: Married, 1 Child
Date of Birth: 7th May 1967
E-mail: andrew@scanraid.com
Skype handle: "andrew.c.stuart"
Cell phone: 0773 990 5599
Address: 1a High Street, Downham Market, PE38 9DA



Experienced Database and Internet Applications Developer

Key Skills

Skill	Experience	Level (5=top)
C	20 years	5
Access - Database Design	14 years	5
SQL / Database Design	11 years	5
VBA & Microsoft Access	12 years	5
VBScript / ASP	13 years	5
HTML / DHTML / Web / CSS / XML	14 years	5
Exchange / IIS / DNS	14 years	3
Visual Basic 6	10 years	3
ActiveX / COM / DCOM	10 years	3
Javascript / DHTML	12 years	4
C++	12 years	2
Javascript/JSON	3 years	3
Microsoft Win 9x / NT / 2000 / XP	20 years	4
PHP	1 year	4
User Interface Design	20 years	5
Modelling (numerical, simulation)	20 years	4
Business/Team Management	10 years	4

Business and Technical Skills

- Experience of team lead roles: both heading the technical development, developing products myself, consultancy and training as well as client account management.
- Experience of writing both business and technical proposals
- Experience of software consultancy, systems analysis, system design and the business process. Listening to the customer.
- Experience with networking, DNS and TCP/IP; Domain Name lore and Internet connectivity. I run several permanent web servers and can offer hosting for projects in development.
- Experience with hardware: 20 years with personal computers. Familiarity with most PC hardware – gained from specifying and building machines.
- Experience with various platforms and systems: Microsoft Exchange, IIS, Outlook, Access, Windows 95/98/NT4/XP/2000/2003/2005, DOS 3-6.22, Unix (but don't quiz me), Aptana, Office 95 to 2009, Visual Studio (6.0), Visual InterDev, Visual SourceSafe and numerous productivity tools.
- Spanish: Basic

Nov 2008 – Sept 2009 – User Interface Developer

Telensa ltd - www.telensa.com

On the development team implementing a user interface for a centrally controlled street lighting system. Javascript/AJAX front end using EXT JS library and JSON/PHP back end. Very large

and complex system using interesting technology.

Feb 2008 to Nov 2008

Functionality development work on various web sites and databases including www.cabincrew.com and www.rgnjobsite.com.

June 2005 to Feb 2008:

MM Multimedia – www.sudoku.org.uk

I created puzzle generator and grading programs for Sudoku, Killer, Kakuro, Masyu, Hitori and Nurikabi puzzles which were sold to the Daily Telegraph, the Los Angeles Times and syndicated around the world. My book "Logic of Sudoku" was published in the 2007. A sample pack of my puzzles is available here: http://www.sudokuwiki.org/ACS_Sample_Puzzle_Pack.pdf

Recent Years:

[Scanraid Ltd](http://www.scanraid.com) – Internet and Database Consultant

<http://www.scanraid.com>

This has been my consulting company for since 2001. As well as continuing to develop my own suite of Internet applications I have served a variety of clients with their database, Office and Internet requirements.

- The **ScanRaider** application suite - The first phase has been an web site grabbing program (*ScanCrawl*) It can dump sites, index sites, create site maps (HTML or XML), search pages, target files and so on.
- Phase two (*ScanRaid Server*) has been completed: a super fast document searching module using the dumps from ScanCrawl. ScanCrawl compiled the data (some 21,000 sites) in the life science and biotechnology sector which is now being used by search engine LabHoo.com (<http://www.labhoo.com/>), also an internal and self funded enterprise.
- Phase three – in production – is a language and topic identification system using n-grams.

Jan 2003 – Dec 2003

www.sleepstalk.com – Lead Developer

One of my most visible and consumer orientated projects undertaken as Scanraid has been the development of this portal for the UK Asian community. This is a very complex and constantly updated web portal with a large, entirely web based administration area. I have integrated SQL server and IIS with interesting third party components such as SMS and photo messaging and my own COM NT services (written in C/C++) for maintaining Chat and Private messages.

Jul 2001– Dec 2002

Mott Macdonald – Intranet Consultant/Developer

Scanraid was contracted to deliver two large intranet applications for Marketing and QA. They were implemented in ASP and Access with calls to Oracle and SQL Server. These apps are not visible from the web. In late 2002 I was the main developer for a Water Resources and Water Balance Hydrology Model for Abu Dhabi and visited the emirate three times. This was written in Access and Arc GIS. I also became familiar with ASPMap, a web based GIS component.

Oct 1999 – May 2001

CAST Systems Ltd – Senior Team Leader / Internet Consultant

<http://www.cast-systems.com/>

I joined at the beginning of this Cambridge start-up, founded to specialise in the insurance and financial sector. My group produced and delivered the following solutions:

- A **Property Estate Agent** platform for **Connells Estate Agents** (www.connells.co.uk) who have over 140 branches. Based on ASP script, SQL 7.0 and COM. The system allows each branch to receive inquiries transparently from a client's 'portfolio'.
- A web-based and web-administered **Mailing List** system for the **Skipton Building Society** (www.skiptonselect.co.uk). They have rolled out several mailing lists subscription services on a number of society sites.
- **Amber Credit** (www.ambercredit.co.uk), a credit scoring and premium finance system for insurance brokers. This replaced their poor Oracle/Win 3.11/DOS system. I also wrote a COM interface to the **Equifax** Credit Scoring system in C/C++.

Part of my job dealt with domain names, DNS and hosting requirements for the company, employees and clients.

The **Skipton Group** bought a stake in CAST in March 1999 as a way of procuring a ready made and agile IT/Internet company to service their IT needs. I believe CAST has since been fully absorbed into Skipton Building Society.

1995 -1999 **Metaweb Ltd** – **Managing Director**

My first start-up, based in Cambridge and founded with one other entrepreneur. Metaweb grew to twelve people and three offices, one each in Cambridge, Paris and Breda in the Netherlands. Our most prominent customers were **Edgar Hamilton Group**, a leading insurance underwriter based in the Docklands, and **Pauls Malt**, a malting company in Suffolk. We offered a range of Internet services from hosting and web site design to full systems for hundreds of people. At Edgar Hamilton we were the sole supplier of IT knowledge, software and strategy, with over 25 separate projects completed in three years. As befits an MD I was both running the company, fulfilling a full time development role and heading the hosting and system administration. My aim for Metaweb was to become a leading e-Commerce software house. This ended abruptly when a dispute over intellectual property caused the company to split. However, I learnt a great deal about company law, accounting and finance in addition to developing my Internet skills.

1993 - 1995 **Cambridge Stratagems Ltd** – **Senior Developer**

With the expert help of **Gavin Lawrence**, an advertising and marketing consultant who runs Cambridge Stratagems, I designed and wrote a computer model that will not only tell you which publications you should advertise in, but exactly when. The product, **Mediastrat** takes up to 50 magazines and all the possible weighting factors that effect advertising in the real world. It will calculate the best combination of ads for your budget as defined by your selected target audience. Written in C.

1991 - 1993 **Bestech Systems Ltd** – **Developer**

1989 – 1991 **Mott-MacDonald Ltd** – **Developer**

Two years developing hydrology and traffic modelling in Fortran and C.

Education

March 2000 Passed the Microsoft Certified Professional 70-100 exam.

1985 - 1988 **Oxford-Brookes University**

BSc (2.1) Hons in Computing Science and Cartography

1981 - 1985 **Brentwood School**

Four A-levels: Medieval History (A), Art (A), Geography (C), History of Art (C).
10 O' Levels (6 B's, 4 C's)

Interests and Leisure Activities

- I am the web master for several hobby web sites. I developed one of the Internet's best and most popular Sudoku web site – www.sudokuwiki.org/sudoku.htm. The main attractions are five step-by-step solvers which contain nearly sixty different logical strategies. It can also grade puzzles and check the number of solutions. A paper on creating and grading sudoku puzzles is here http://www.sudokuwiki.org/Sudoku_Creation_and_Grading.pdf
- I am a qualified pilot (Microlight Rating). In the summer of 2004 I flew 4100 miles from Halifax, Nova Scotia to Nanaimo, Vancouver Island in a Pegasus Quantum 15-912 Ultralight.
- I write modelling programs to test out geometrical, mathematical and computing ideas. These include artificial life, artificial intelligence and genetic algorithms, optimising problems, language and puzzles.
- I write Sudoku and other Japanese puzzle programs.

References

Matt Farrah, CabinCrew.com , matt.farrah@cabincrew.com

Simon Michie, Centric Networks, smichie@centricnetworks.net

John Gill, Mott MacDonald Ltd, john.gill@mottmac.com

Rob Watson, Per-Scent Ltd, rob@mediaeden.com