

Richard Stanway

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Governor's Harbour
Eleuthera
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Personal Date of birth: 13/01/83
Nationality: British
Clean driver's license

Education **1994 – 1999** **King Alfred's School, Wantage, Oxfordshire**

Acquired GCSEs in the following subjects:

- Biology: B
- Chemistry: C
- English Literature: B
- English Language: C
- German: B
- Graphics: D
- Mathematics: B
- Physics: B
- GNVQ Business Studies: Pass

1999 – 2001 **King Alfred's Community and Sports College, Wantage, Oxfordshire**

A-Level and AS-level studies for two years. Grades achieved:

- Computing: B
- General Studies: C

2001 – 2005 **University of Hull, Scarborough Campus, North Yorkshire**

Attended the University of Hull for four years. Studied a business and management course in the first year followed by three years of Internet Computing.

- Degree of Bachelor of Science with Honours, 2:1 in Internet Computing

Work Experience **1999 – 2001** **King Alfred's Community and Sports College, Wantage, Oxfordshire**

During my time at King Alfred's I undertook the role of Junior Technician. This position involved supervising computer usage during break periods and helping to optimise the existing network performance. I proposed the idea of a local web cache to reduce load on the single ISDN line. After funding was acquired, I installed and configured three Linux-based systems for use on each site using the open source Squid web cache. I developed administrative tools using PHP to allow the support staff to monitor individual web site accesses and block offensive sites. I also deployed a PHP based intranet system and developed admin tools to allow staff to create a college portal. I was also involved with redesigning the college's web site to provide a clean, fresh look.

2003 – 2005 Freelance Linux Administration

During my time at University I offered freelance Linux support services over the Internet. I was involved with basic system administration tasks such as installing and configuring new software, performance optimisation of web servers, system security hardening, kernel upgrading and offline rootkit removal and system recovery.

**2005 Damianos Sotheby's International Realty,
The Bahamas**

Installed and configured a WPA secured wireless network with Internet access sharing for a local office.

2005 - Present Wakaari Development Group Ltd., The Bahamas

I provided wireless ISP network consulting and installation services to Wakaari Development Group Limited. I was involved with configuring wireless access points (StarOS, Cisco) and various brands of client bridges (InterEpoch, Tranzeo, MikroTik), ordering new radio and antenna equipment, monitoring network performance and reliability and deploying a Linux based server and datacenter to operate as a NAT gateway, transparent proxy and SMTP relay for all clients.

**Personal
Experience**

C Programming

Six years experience developing and maintaining C software in both a Windows and Linux environment. Developed several open source Win32 and Linux utilities and currently maintain a Quake II modification and a fork of the Quake II engine released by id software. Experience identifying security bugs caused by dangerous coding practices and avoiding common problems such as buffer overflows. Working knowledge of how to create proof-of-concept exploits for security bugs using pre-written shellcode. Currently developing an anti-cheat system for Quake II using a mix of C and x86 assembly.

Assembly

Working knowledge of Intel x86 assembly. Understanding of how the CPU executes instructions at the machine-level and all related low-level concepts such as memory access, register usage and the stack. Experience using assembly listings for performance optimisation in higher-level languages. Knowledge of techniques such as DLL injection, code interception and API redirection to extend or modify functionality of closed-source applications on Windows platforms.

GNU / Linux

Seven years experience using Linux based operating systems in both a hobbyist and production environment. Familiar with kernel rebuilding, compiling software from source, system administration tasks and security measures. Experienced with a wide range of software including Apache, PHP, Perl, Squid, qmail, djbdns, pure-ftpd, OpenSSH, CVS and many other packages. Experienced in remote administration of Linux based systems and troubleshooting. Acquainted with RedHat, Slackware, Mandrake, Debian, Gentoo and CRUX Linux distributions.

Windows

Eleven years experience with Windows based systems ranging from Windows 3.1 to Windows Server 2003. In-depth knowledge of how the operating system works; advanced troubleshooting skills and experience programming using the Win32 API. Familiar with OS concepts including processes, file systems, device drivers, networking and threading. Qualified as a Microsoft Certified Professional Product Specialist in Windows 95 at the age of 13.

PHP

Six years experience using PHP to develop web applications. Developed a web-based file management and approval system for a gaming web site. Strong experience in PHP security practices and code auditing for security issues such as SQL injection, cross-site scripting, HTTP response splitting, session riding and other related problems. Experience in developing database driven applications with MySQL and PostgreSQL. Most recently developed code for WaffleImages, a distributed image hosting service.

HTML / CSS

Eight years experience using HTML and XHTML. Able to code to both HTML 4 and XHTML 1 standards. Appreciate the difference between presentation and content through use of Cascading Style Sheets versions 1 and 2. Designed several web sites including r1ch.net, planetgloom.com and eleutheraprep.org.

Perl

Seven years experience using Perl for a variety of purposes including CGI. Developed a content management system and statistics generator for r1ch.net. Developed many small utility scripts for use in system administration tasks and similar utility CGI scripts.

IP

Strong knowledge of how IP based networks such as the Internet operate. Experience in basic routing technologies and concepts such as CIDR and static routing. Familiar with TCP and UDP packet details and transmission algorithms. Able to troubleshoot networks using a wide range of tools such as ping, traceroute, hping2 and nmap. Familiar with network sockets programming in a variety of languages.

Java

Working knowledge of Java and the Java API. Currently developing and testing a Java-based services agent for IRC networks. Experience creating networked applets and Servlets.

Microsoft .NET

Working knowledge of C# and the .NET framework.