

Resume (Curriculum Vitae) of Bryan T. Dongray

Dated: 2007 Mar 1

A graduate earning a B.Sc. with Honours in Computer Science from the University of Kent at Canterbury, in England, which was the forerunner and the major hubsite of the European part of the Internet, and the first site outside the USA to have UNIX in its computer labs.

Recent roles were as an engineer and system admin for Google, the largest Internet search engine company, then previously an Information Security Specialist for almost 3 years at Metris, now HSBC, a top 3 world bank, and prior to that as a Network Security Architect for 8 years at Cray & SGI, a high tech computer manufacturer. Tasks included monitoring and configuring top performance and constantly reviewing improvements to code. Interviewing applicants and focusing on high level technical skills. Ensuring regulatory requirements, through ensuring systems are administered in a reliable and secure way, and providing input to the design of systems from a security perspective. Being involved to design and implement a company wide firewall methodology to provide security from the Internet, meanwhile allowing employees secure remote access. The design allowed secure connections to the company externally hosted website, as well as partners and vendors, allowing appropriate and denying unnecessary access in either direction. Integrated network services, such as email, web, DNS, etc, as efficiently as possible, in terms of being robust, reducing bandwidth, and increasing speed of services. Frequently involved with security incidents, tracking hacking attempts from the Internet, or employee inappropriate behavior.

With over 10 years of designing web pages and scripts, people find me a valuable resource to advise on various problems and solutions, ensuring efficient use of distributed systems, monitoring everything is as it should be, as well as often the central point for co-ordinating and creating webpages for the department, and the entire company.

Worked in depth with Linux, SGI, Sun, Cray, AIX, HP, and DEC workstations and servers, and gained much knowledge through training and hands-on experience of TCP/IP networking (17 years), email processing (11 years), X-Windows (10 years), and SQL (6 years), as well as skills in email management and interfacing to mainframe computers (HP/IBM/DEC) to reliably transfer user reports. These skills have enabled me to be an effective data security investigator, designer and advisor, as well as ensuring reliable systems for users, through effective system administration, backups, performance tuning, capacity planning, and resource allocation.

23 years experience with UNIX from the low level system/kernel coding to programming and office automation tools and user front ends, on a wide range of hardware and versions, which has given me excellent experience in portability of programs. 16 years programming experience with C at a high standard, including assembler level appreciation of many processors. An expert at shell scripting and perl programming too.

9 years detailed knowledge of database techniques, following products from design to support of many customer database applications on a variety of UNIX systems. An early example is an EPOS system operating in a large Oxford Street (London) music retail store. Experience with Oracle SQL and installed Oracle on a Sun based customer service centre, and created an employee database that involved developing a user interface too.

7 years experience of graphics being involved in an implementation of a library of routines conforming to the GKS (C binding) standard, and interfacing these to FORTRAN. 5 years of detailed HTML programming, admin, and ideas, and 4 years experience in X programming.

Been employed in 2 large American banks, a software house, and also high tech computer companies, learning a wide range of abilities in many areas, and utilized network and communication skills.

Always supported internal staff solving a wide range of problems, and have 6 years experience with customer site installations, support, remote networking, and upgrades.

Bryan Dongray:

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Experience:

23 years UNIX (Linux, Solaris, AIX, IRIX, BSD, HPUX, Unicos) including C, shell, perl
21 years Networking (all levels, mainly Cisco TCP/IP)
11 years Web design, programming, configuration, support (HTML, Apache)
11 years Computer, data, and network security (Cisco PIX, Checkpoint)
10 years PC (including MAC)
9 years Database technology (design, coding, admin, mainly Oracle & MySQL)
7 years X11 and other graphics protocols

Languages:

HTML/CGI, C, shell/perl/awk, oracle SQL, Pascal, FORTRAN, lisp, babbage, 680*0, 80*86, Cray assembler, GEC 4000 series, Sparc, macro 11.

Education:

School: 9 O-levels, 4 A-levels, Computer Science degree (BSc honours).
Business: Networking (TCP/IP, Nestar), Firewalls (PIX, CheckPoint), Security (SANS: T4, T7), SysAdmin (Linux, Sun, Cray, SGI, AIX), DBA (Oracle, MDDBS), Personality (Time management, Team building, Remote management, Communication, Effectiveness, Quality Assurance, French).

Employment:

Jan.06-Oct.06 Google USA (Internet search engine)

Monitor, configure massively parallel crawl and index systems; Design, code, implement search engine improvements; Interview candidates for high quality technical skills;

Apr.03-Dec.05 Metris USA (Credit card/bank), now HSBC

Information Security UNIX specialist; Distributed system monitoring and maintenance; System admin, volume management, performance and capacity planning; Project design; New employee security awareness training;

Oct.98-Feb.03 Silicon Graphics USA (HighEnd Computer manufacturer)

Security design and architecture (employees and Vendor/Partner access); Security policies and investigations; Network design and configuring; Secure remote access; Various web interfaces for employee/network monitoring and tools; Antijunk (spam) email gateway; UNIX "guru" (answer anything on UNIX, networking, email, C, HTML, SQL, security);

Oct.94-Oct.98 Cray Research USA (SuperComputer manufacturer)

System and DBA admin; Network design and configuring; Security policies and investigations; Secure Web gateway; Secure dialup and Internet access; Various web interfaces for employee/network monitoring and tools; Antijunk (spam) email gateway; UNIX "guru" (answer anything on UNIX, networking, email, C, HTML, SQL, security);

Jul.88-Oct.94 Cray Research UK (SuperComputer sales/support)

Field software support (analysts and customers); Bureau support and accounting; Machine, system/network admin; Customer service centre installation + email interfaces; Software development of File Transfer Agent into Cray batch system; Electronic postmaster + connecting mail to UK + company wide aliasing; Employee database updates + programs for reports of details; Demonstrations; Many user tools; Web admin and programming;

Mar.88-Jun.88 Sun Microsystems (Computer manufacturer)

Support in-house database; Training users; System admin; User tools; International machine-name allocation; MIS HP communication link; Connecting network to European sites;

Oct.86-Feb.88 System Simulation Ltd (Software house)

Improved textual database; Real-time graphics; Port DB application to PC; System admin; Customer support of textual database; Benchmarking systems;

Jul.85-Aug.86 Manufacturers Hanover Trust (New York bank)

International banking PC application; PC networking and system admin; Programmer tools;

Jan.84-Jun.85 System Simulation Ltd (Software house)

Design, implement, install and support textual database; System admin; Office, programmers, and system utilities;

Sep.83-Jan.84 GEC Computers (Government software development)

Pascal debugger; Screen editor (vi for GEC system);