

[This version of my CV does not include recent company names or references – please contact me if you wish to follow these.]

Summary

I am a results-driven IT manager with a highly skilled hands-on technical background. My varied career has encompassed development and implementation of software, hardware, networks and strategies, and sound team management – all with solid provable results. I am a very fast learner, and prove a valuable addition to any web development or service provision team.

- **Availability: From 1st July 2007 (Contract only – Ltd Co, VAT registered, PI and PLI)**
- **Preferred roles: Project leader, IT management, Development Lead using PHP5/MySQL**
- **Preferred locations: Yorkshire, Humberside, Lancashire**

Education & Qualifications

- Degree: BSc Sp. Computer Science (Information Engineering), *University of Hull*, England
- 10 GCSE, 3 A-Levels (UK secondary-level educational system)
- Full British driving licence
- Full British passport (well-travelled, worked around Europe)
- Working knowledge of French & German languages

Computing Experience

My experience primarily lies in the fields of (but not restricted to):

Programming:

- **PHP5:** class creation, DB access, image manipulation, dynamic data and session management, control panel authoring; blueshoes framework; phpDocumentor.
- **Web:** HTML, XHTML, CSS, Javascript, AJAX, Zimki
- **SQL:** MySQL 3-5 (inc. v5 features), MaxDB, SAP/DB.
- **Payment Integration:** Paypal, Datacash (perl/php).
- **Code Management:** cvs, svn, branching, deployment.
- Perl 5: DBI, mod_perl, CPAN.
- XML: Schema, native and using XMLElement.
- Visual BASIC 6: MSSQL, ActiveX controls, ODBC links to SQL databases; win32 API.
- C: gcc, ThinkC, Borland C, VC++ 5.0.

Networking:

- Mail: sendmail, exim, courier, POP3/SMTP/IMAP4
- Web: Apache 1.3, Apache 2.0, httpd
- DNS: bind v4, v8, v9, nsd
- Management: SNMP, rrdtool, nagios
- TCP/IP (IPv4 and IPv6), NetBEUI, and IPX/SPX
- BGP4, ASN, peering and interconnect
- Access servers (Cisco AS5200, AS5300)
- WAN and LAN links: X21, LES100
- Cisco IOS to 12.1, PIX configuration
- Remote Access (RAS) using RADIUS

Security:

- Hardware/software firewalls, DDoS prevention
- Watchguard Firebox series; Checkpoint Firewall-1
- Penetration testing and IDS
- X.509 certification, PKI, MS Certificate Server, openssl

Environments/OS:

- Apple Mac OS/X Tiger, Apple System 7/8.5/9
- MS Windows (Desktop) 3.0 to Windows XP
- MS Windows (Server) NT3.51, NT4, Win2k, Server 2003
- MS-DOS 3-6.22
- Linux: Debian Etch, Slackware, Red Hat/RHEL, CentOS
- Linux kernel: 1.2 to 2.6 tree
- Solaris 2.5.1, 2.6, 7, 8 on Sparc hardware
- FreeBSD 4 on x86 hardware
- X11: Motif, OpenWindows, CDE, fvwm, kde, Gnome, x.org
- bash, csh, ksh under Unix-based systems
- RiscOS up to version 3.5

Telephony:

- BT Openreach WLR2 platform & interface
- Mobile media (3GP conversion, MMS and SMS)
- Software PBX/VoIP using Asterisk 1.0 (SIP/IAX)
- E1/PRI config using zaptel
- ISDN PRI/BRI, G.703/X.21/Q.931, EuroISDN
- E164.arpa (ENUM)
- OFCOM PECN applications and interconnect
- ICSTIS approval for mobile services

Digital Television:

- OpenTV 1.1 certification from OpenTV Inc. (1998)
- Use of MHEG-5 on Pace and Sagem kit
- 802.11b framing for experimental digiTV broadcast
- Live on-the-fly resampling of video formats

Other:

- PDF and FDF document file management.
- Smart imaging work via digital photography

Fotopic.Net

I founded **Fotopic.Net**, an online community where users may publish their own photographs, and which receives in excess of 225M hits a week with 185,000 registered users, on a database of over 40 million images. This comprises a cluster of 40 Linux servers with a purpose-built RAID5+1 IDE SATA SAN and a modular framework built in *php* and *perl*. A fully-featured back-end has been written which handles all CRM mechanisms, supply-chain management, invoicing and international VAT handling, live credit card authorisation, network management, performance projections, management accounts, support and fault handling, XML toolkit conduit, and batch links into *Sage Line50* using Unix ODBC. *Fotopic* may be viewed at <http://fotopic.net>

Employment History (reverse order)

- **Jan 2005 – current: Contract work**

On contract using *php*, *MySQL*, *MaxDB*, related technologies:

Company names available on request

- Wakefield, LCR telco: Building web portal to provision telephone service via Opal Telecom and BT WLR2 platform; feasibility study on WLR3; specification of billing platforms; business features for new online services.
- Leeds, travel/training website: Consultancy on server architecture for e-commerce, social networking features; development of brand new content management system, optimisation and workflow.
- Leeds: Web services and web sites for high-profile property management clients, interfacing to *Encore* and *COINS* property management system using SOAP. Structured project management and time plans.
- Sowerby Bridge, software development: Sales extranet for major car manufacturer dealership network.
- Pocklington: Control panel application for property management, market leader specialising in estate agency management software.
- Wakefield: Programming *php5* classes to create large-scale (150k users) community/dating portal.
- Brentford: Reseller, online workflow, ecommerce and supply management software.

- **Feb 2004 – Jan 2005: Systems Architect / Lead Developer, Enovi LLP, London**

Research and development role, encompassing several project management contract roles:

- Implementation and management of a VoIP conference system based on *Asterisk* and *SER* applications, with E1 media gateways.
- Inception, design and building of a full telecomms billing platform using *perl* and *php*.
- Evaluation of *SER* proxying and related technologies.
- Evaluation of new technologies and hardware including VoIP handsets, PBX software and hardware, and equipment for large-scale deployment.
- Negotiation with telco providers for new circuits and LCR systems.

- **May 2000 – Feb 2004: Chief Technical Officer, CentralNic Ltd., London**

Permanent position in a technical decision-making, non-shareholding contract role:

- Implementation and management of alternative Internet Domain Name Registry.
- Monitoring and managing several programming teams, on tight project deadlines.
- Installation of worldwide distributed database management system using *Solaris*, *Linux*, *MySQL* and *Oracle 8i*
- Email registration automaton/robot, registration websites, email service studies, registry system comparisons.
- Web-based customer interfaces and validation systems using *PHP*.
- Work with *RIPE*, *CENTR* and *IETF* on domain registration formats; working groups inc. IDN, provreg/EPP, DNSOP.
- Research and feasibility study into an anycast DNS root server implementation.
- Consultancy with Nominet (.uk) and IE Domain Registry (.ie) on registry systems.
- Consultancy with *Organic Names* on ICANN bid for .org domain; *EU Domain Registry Absl* on EC bid for .eu domain; *Telnic* on primary bid for .tel domain.
- Some consultancy as Expert Witness in legal cases.
- Preliminary study on secure document format, X.509 digital signing, PDF and FDF format extensibility. Work with a Certificate Authority using *Microsoft Certificate Server*, *Visual Basic* under the *Microsoft .NET Framework*.

Continued working with CentralNic Ltd. on a retainer basis through to December 2005.

- **Oct 1999 – Nov 2000: Managing Director, Mailbox Internet Ltd., London**

Permanent position in a non-shareholding directorial role:

- Continuation from TD role to management role, involved heavily in project management and new system inception.
- Company turnover doubled to £2m in 4-month period.
- Implemented changes in reporting structure, movement to a floatable/saleable company conforming to ISO9002 qualification.
- Implementation of training schemes for staff, new staff benefits and departments.
- Reporting regularly to the Group Chairman (also company owner) on profitability and strategy.
- Installation and maintenance of company-wide subscription, rental accounting and administration system (still in use).
- Introduction of several highly successful new products, including low-cost server co-location and management of the initial rollout of broadband products.
- Understanding of P&L, balance sheets, budget management with Finance dept.

- **May 1998 – Oct 1999: Technical Director, Mailbox Internet Ltd., London**

Permanent position in a non-shareholding directorial role:

- Design/implementation of network strategy tackling Y2k issues, network problems, installation and customer issues.
- Management of a team of 15 individuals including technical, marketing, administration and support staff.
- WAN (X21), channelised E1 (balanced and unbalanced), ISDN BRI/PRI/G.703/Q931, mega/kilostream circuits terminating on IP routers (Cisco IOS).
- Configuration of *Cisco*, *Livingston* and *Bay Networks* routers using HDLC, BGP4, PPP, SGBP. Arrangement of Private peering.
- Responsibility for UK-based and transatlantic bandwidth via upstream providers and on an independent basis.
- Installation and maintenance of dial-up access servers sited in *Telehouse 1*, Docklands.
- Programming *Solaris 7* and *Linux*-based machines, on *Intel*, *Sparc* and *MIPS* architectures.
- Introduction of change management procedures, peer review, logging.
- Some NT4 web server experience using *Microsoft IIS* and *MS-SQL 6.5*

- **May 1997 – May 1998: Software Engineer, Gemstar Europe, London**

Permanent position at *Gemstar Europe, London*, undertaking a variety of tasks:

- Software support and programming throughout Europe, frequently travelling on my own to write and install systems software for publishing houses - frequently using *ThinkC* and *CodeWarrior* in programming Apple machines, and *C* in programming Unix and DOS based machines.
- Solely responsible for analysis, design and installation of in-house client-server databases using *Visual Basic 5*, *Microsoft Access*, *MySQL*.
- Inception, specification and installation of company Intranet/Extranet/TCPIP facilities and enterprise-wide email using *Windows NT4* and *Linux*.
- Feasibility studies into digital EPG platforms using *OpenTV* and *MHEG* platforms.
- Internal network and PC support using *Novell 3.12*, *NT4*, *Linux*, *FreeBSD*.

- **Prior to May 1997: Contract Work**

- Interim project management and technical management and client liason.
- Working with established *Microsoft Solution Provider* plc rescuing a mismanaged *Visual Basic 4* document-management project for a major consumer electronics company.
- Involvement with *Barclays Bank* automating the Voluntary Early Leavers Scheme.
- Analysis and development of enterprise-wide document management system for a recruitment agency.
- Set-up and definition of procedures for a start-up Internet Provider venture.
- Work with *Coca-Cola Schweppes Beverages* on introduction of key performance indicator systems, employee attendance systems, and other MIS reporting.

References

Available on request.