

IAN PRICE - CURRICULUM VITAE

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PROFILE

Experienced Linux SysAdmin and Project Manager, working in DevOps roles, with over 25 years commercial experience. Exceptional supporting, automation and problem management skills, using a wide range of open source technologies, most notably Linux (RHEL, Ubuntu), Kubernetes, Ansible and databases in on-premise, hybrid and Cloud based environments.

Expert in all aspects of the DevOps CI/CD pipeline and systems management life-cycle, with full proficiency in Linux administration and reporting, and experience with performance management techniques and system level tuning.

CAREER SUMMARY

Reverse chronological order - Many roles were overlapping consultancy positions

Centreline Support	April 2017 to September 2017
Senior DevOps Engineer – Web Apps	Contract
<p>Undertook a project to apply DevOps principles to WordPress and serverless websites. Applied a full CI/CD pipeline to 25 WordPress and serverless sites and launched three tutorial websites documenting the process and demonstrating the principles.</p> <p>The sites were placed into Git version control (both GitLab and GitHub) and deployed using a combination of Ansible, Jenkins, Terraform and AWS Code Pipeline. The sites are hosted on a combination of AWS, GCP and DreamHost, as well as locally for development and testing.</p> <p>The set-up uses a combination of Selenium and ZAP to check functionality and test security.</p> <p>The serverless sites employed AWS S3, Lambda & API Gateway alongside Node.js and React to add dynamic content to static pages.</p> <p>Content updates are deployed via webhooks from GitLab or GitHub and AWS Code Pipeline. Maintenance, backups and program updates are achieved using Ansible.</p> <p>Monitoring and logging are covered by CloudWatch and local Linux logs shipped to Prometheus.</p>	

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Home Office: DSAB, Border Force	September 2016 to March 2017
DSAB Senior DevOps Engineer & BAU Manager	Contract
<p>Contracted to migrate 198 VMs from UK Cloud (ex SkyScape) to AWS. DSAB employ a full CI/CD pipeline utilising Git VCS (GitLab & GitHub), Jenkins, ZAP security testing, Selenium UI testing, Kubernetes clusters on AWS monitored with ELK & Sysdig Cloud.</p> <p>My Devops Team created and improved the full pipeline. We took the business from quarterly to weekly releases running on five namespaces from Test & QA to E2E and Prod.</p> <p>As the BAU Manager I ran a team of 15 reports with two Tech leads. We implemented KanBan boards for BAU work and two week Sprints for the continuous improvement backlog using Jira, and Confluence for documentation.</p> <p>Other major projects were organising the move from Westminster to Croydon, producing a definitive image for End User Devices for the Home Office and implementing an Ansible based asset management and configuration application.</p>	

Queen Mary University of London	November 2015 to June 2016
Web Technologies Migration Team	Contract/Consultancy
<p>Website Migration Project: Contract consultancy position to migrate 220 websites into production on Docker containers.</p> <p>Traditionally each faculty and school ran their own IT services & servers. To increase efficiency, security and functions, while reducing costs, these services are being consolidated into two data centres. There are 220 websites, a combination of LAMP, CMS and bespoke sites, that are being migrated.</p> <p>Following a major security breach 15 months ago, the university is keen to provide isolation for each site. We suggested that containerisation enables greater efficiency while providing the required isolation.</p> <p>We ran a full investigation into the suitability of:</p> <ul style="list-style-type: none">- Docker, CoreOS, RancherOS and other alternative container products- Various orchestration solutions including Kubernetes, Rancher, Swarm and others- Evaluation of On-prem, AWS and other cloud offerings for the the best platform <p>The recommended solution is the adoption of Docker. The remainder of the project consists of full migrations with upgrades while minimising downtime. This involves substantial delicate negotiation with the faculties who are not constrained to using the university IT Services.</p>	

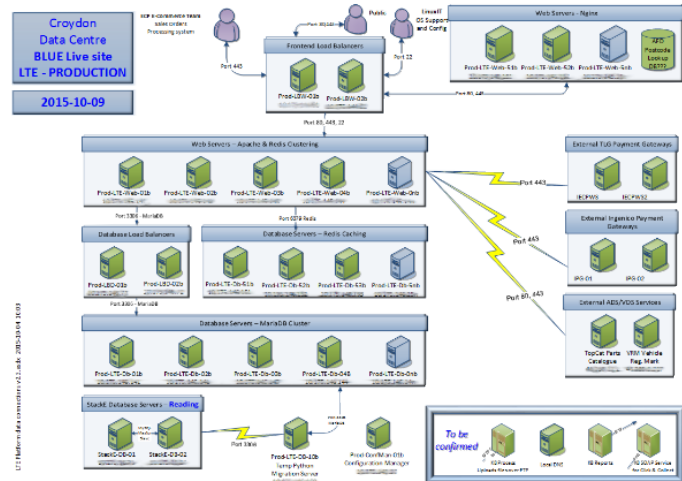
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<p>Euro Car Parts Ltd</p> <p>Ecommerce Technical Manager</p>	<p>Aug 2015 to Oct 2015</p> <p>Contract</p>
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Contracted to manage the deployment of a Long Term Environment Platform (LTEP) to provide services for all web sites from one platform.

The design and implementation provided 100% availability on a 24x7 basis. The set includes:

- RHEL 7.1 servers on VMware 6.0
- HAProxy load balancers for both web & database services.
- Apache web servers and Nginx CDN servers
- Github VCS for both code and config
- Jenkins CI with Selenium testing deploying to multiple environments
- Configuration management using Puppet and Ansible to deploy to a hybrid VMware/AWS cloud



The final stage of the project was to set up the infrastructure to use Ansible to deploy the entire environment automatically to an AWS cloud set-up using CloudFormation.

<p>Euro Car Parts Ltd</p> <p>Ecommerce Technical Manager</p>	<p>July 2014 to July 2015</p> <p>Permanent</p>
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Employed as a Linux Systems Administrator, the role quickly expanded to the position of **Ecommerce Technical Manager**. This position is responsible for operation of 20 websites with a combined turnover in excess of £25,000 an hour and over 100,000 users per day.

Daily responsibilities include Linux systems administration – Patch management - Change management - Electronic mail systems - Network management - Network security & control - Remote network communications - Workstation connectivity - Internet operations.

Projects:

- Migration of 40 RHEL & 75 Windows servers to VMware 5.5 and upgrading to 6.0
- Migration of website infrastructure from vertical stacks to web & DB server farms
- Auditing project to meet requirements of PCI-DSS & Sarbanes Oxley using Ansible to validate config.
- Implementation of a Cisco UCS hardware and networking solution
- Instigating automated controls & updates for system patching, application deployment, & daily maintenance
- Devising the architecture for a Continuous Deployment pipeline including Git, Jenkins & GO-CD continuous integration and Selenium testing using Ansible and Docker containers on CoreOS
- Implemented Git VCS as first stage of a Continuous Deployment Pipeline

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Environment:

- OS: RHEL 6 & 7, Ubuntu, Windows 2003/8/12
- HW: HP Flatbeds & Cisco UCS Blades, HP StorageWorks, NetApps Storage, IBM AIX
- SW: Apache, MySQL/MariaDB clustering, PHP, HTML, CSS, Git, HAProxy/Heartbeat, Sphinx, MS SQL, WhosOn
- Monitoring: Nagios, PRTG, Site24x7, New Relic
- Configuration: Ansible, Puppet, Python, SQL, Scripting, Jenkins, GO-CD
- Virtualisation: Vmware 5.5 & 6.0 (including vCentre, vSphere HA & DRS, vMotion), LXC, Docker

Oceanswatch (volunteer) - Yacht Skipper & Web Developer

March 2011 to October 2012

Clipper Ventures - Training Skipper

October 2012 to June 2013

Volunteered for **OceansWatch**, an environmental charity dedicated to the protection of coral reefs in the South Pacific. The role was split between yacht skipper duties and maintaining the charities Drupal and WordPress CMS websites and the CentOS 5 back-end database servers.

I was persuaded to return to the UK to take up a role as Training Skipper for **Clipper Ventures** who organise round the world yacht races.

Projects:

- Engaged in a range of environmental projects dedicated to the protection of coral reefs
- Maintaining the charities Drupal and WordPress CMS websites and the CentOS 5 back-end database servers using Puppet. Installed a CentOS 6 server with multiple KVM's for development and testing and provided substantial training
- Reprogramming the payment gateway when WorldPay offered commission free payments
- Tuning SpaceWalk (Red Hat Satellite) and Nagios at MountainRiver.net, the host and development base for OceansWatch, to configure and monitor sites & servers for a multitude of charities.
- Implemented an AsteriskNOW Software PBX to provide free VoIP calls for the charity workers via software SIP phones.
- At Clipper Ventures we took raw recruits, 40% of whom had never set foot on a yacht, and trained them to safely sail 70ft yachts through the rigours of the Southern Ocean

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Centreline Support Ltd - Consultancy	April 1994 to March 2011
	Consultancy

I have been successfully running my own consulting business for nearly 20 years and most of the roles detailed have been within this framework. Customers range from SMEs to premier FT100 clients.

This has included a wide variety of blue-chip companies and SMEs in the Financial Services, Retail, Manufacturing, Computer Consultancy and Engineering sectors.

I have concentrated on providing high quality Linux support plans for companies and individuals who have become disenchanted with expensive licensing models. I offer a wide variety of support and administration contracts ranging from single per incident projects to enterprise class administration and outsourcing in Linux server and network management. I specialise in providing on-site and remote support, automation, troubleshooting, administration and management services.

Services include:

- Linux server hardware and software provisioning based on CentOS, Red Hat and Ubuntu
- Virtualisation including VMware, KVM, VirtualBox, LXC containers and Docker
- OpenStack (Open source software for building private and public clouds)
- Networking, architecture and security including SSL ciphers & certificates for websites
- Installation of LAMP stacks for Content Management Systems (CMS, WordPress, Drupal, Joomla)
- Automation using scripting (Bash, Perl & Python) and Puppet and Ansible
- Systems support and monitoring using Nagios & New Relic
- MySQL/MariaDB setup, load balancing, and clustering
- Apache and nginx web servers
- FTP services like VSFTP and ProFTPD
- IPSec, OpenVPN, and SSH tunneling
- Microsoft server & desktop hardware and software provisioning based on MS Small Business Server 2003/2008
- Comprehensive system design from the ground up
- Database development using MS Access/MS SQL/MariaDB and PHP/MySQL web pages.

Clients include: (** - Indicates multiple concurrent long term projects, support & programming contracts)

Consultant for clients	KSE Computers Ltd	Jun 94 to Sep 03 **
Network Analyst & Support Consultant	Dell Computer Corporation Ltd	Jul 94 to Sep 02 **
Linux SysAdm & Support Consultant	Stringer Saul Solicitors	Jul 94 to Sep 99 **
Project Management Consultant for clients	Info Products plc	Aug 94 to Sep 98 **
Project Manager, 24x7 Helpdesk Manager	Deutsche Morgan Grenfell	Nov 94 to Feb 97 **
Yacht Skipper	Centreline Charter Services Ltd	May 95 to Sep 09 **
Network Analyst & Support Consultant	Intercounty Office Furniture Ltd	Jan 96 to Aug 00 **
Project Manager & Linux SysAdm	Allied Domecq plc	Jun 98 to Apr 04 **
Programmer / Analyst	Chetwood Associates	May 99 to Jul 06 **
Project Manager, Programmer / Analyst	Coventry Toolholders Ltd via CSL	Aug 04 to Feb 06
Project Manager, Programmer / Analyst	Wicks Personnel Consultants via CSL	Oct 06 to Feb 07
Project Manager & Analyst	Molyneux Wines via CSL	Mar 07 to Jun 07

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Project Highlights:

- **Allied Domecq plc, Consultant & Project Manager**

The original brief at Allied Domecq was to provide senior level guidance and direction to the in-house team. The four week project involved updating and consolidating a collection of email servers and mail relay gateways.. Due to my professional approach and skill-set, I was retained for a total of ten months on a variety of projects.

Migrating 2,500 desktops to new hardware, operating system and email software. Producing supporting documentation, training the 1st and 2nd line support teams and providing ongoing support for Linux/Unix & NT servers and desktops. Achieved a 75% reduction in servers and gateways substantially reducing support costs.

Providing 2nd & 3rd line support to 30 local and 250 remote Linux, NT and Netware servers and 2,500 newly migrated desktops users across Europe within an ITIL environment.

- **Deutsche Bank (Morgan Grenfell), Project Manager**

Senior Consultant for InfoProducts plc successfully bidding against Lotus UK to implement a 5,000 seat world-wide email system. Analysing and designing and installing the system in conjunction with the in-house IT team. Training of the 1st and 2nd line support teams to support end users and maintain the servers. Co-ordination of end user training. Managing system testing, verification and acceptance of the system. Provide frequent reports on progress to senior management. The implementation was a complete success; the project was completed on time and to budget.

Management of a 2nd & 3rd line 24 by 7 support team providing out of hours support to end users and overseas offices for a mixed Linux/Unix and NT environment.

- **Chetwood Associates, Project Manager & Database Programmer**

Project Management System, Access 2003 Chetwood Associates, a London based architectural practice with a 6 million pound (9 million Eu) turnover, were a major client. I developed a bespoke MS Access PMS with MS SQL backend after we concluded that there was no suitable third party solution. This covered resource scheduling, cost allocation, timesheets, contact management, sales ledger, invoicing and interfacing with the existing Sage Accounts system.

- **Centreline Machine Tool Co, Finance & IT administrator**

Analysing the engineering IT requirements of Centreline Machine Tools Ltd including the successful negotiation of a £175k loan based on a three year business plan.

Replaced 12 disparate systems with an integrated Pervasive SQL (Postgres) based MRP production control system, computerised the manual accounts system to QuickBooks and upgraded the Windows NT 4 network and Exchange 5.0 system to MS Small Business Server 2003. Created automated import/export process to convert transfer data from an MRP system to QuickBooks accounts.

Constructed and maintained the company Internet and Intranet web sites using Mambo CMS and SharePoint Services.

Dell UK	December 1988 to April 1994
UK & Assistant European Netcomms Manager	Jun 92 to Apr 94
Senior Network & Unix Administrator	Apr 90 to Jun 92
Technical Support Unix Specialist	Apr 89 to Apr 90
Technical Support Associate	Dec 88 to Apr 89

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Over six years I progressed from hotline telephone support to Assistant European Network Manager in charge of the helpdesk. I managed a team of eight direct reports and four matrix reports responsible for over 5,000 users across twelve sites in a mixed Unix, Windows NT and Netware environment.

Project & role highlights:

- Planning and installing a 400 user, mixed Unix & NT server site in Dublin, Ireland. The Dublin office was seen as a key component for the expansion of business for Dell UK. The project was set-up on time and ran smoothly from day one despite having to work to short time scales and limited budgets. The UK sales director deemed the project a great success achieving a 25% reduction in the cost of sales.
- The administration of the Dell UK network which consisted of two sites, seventeen Unix servers, sixteen Netware servers, six Lotus Notes servers (Windows NT) and eight hundred users. This included setting and achieving high levels of service (SLA's) provided to the users by the Netcomms team.
- Warranty Database. Complete responsibility for analysis, designing, data cleansing, coding, maintaining and project management including budgets. Dell required a database to enable tracking of warranty claims on complete PCs and parts. The task required a multitude of tools such as Perl, Python, Unix shell scripting and Filemaker to produce the final Oracle 7 SQL database. The project achieved a 15% reduction in engineer calls due to the improved warranty tracking.
- Direct line management of a team of eight and matrix management of a team of four at the remote site to provide expertise and staff supporting other European Dell sites as required by the European Netcomms Manager.
- Researching, implementing and maintaining a variety of WAN network communication links including Megastream, Kilostream, ISDN, X.25 and dial-up modems. These provided remote network connection for single users, remote offices, customers, suppliers and sites of over 400 users.
- Improving the level of service to users, by many of the achievements above and by increased team motivation, to the extent that the team received critical acclaim from all sectors of the business.
- Technical Support Specialist (Unix). Helpdesk support to Dell customers requiring an in depth knowledge of PC hardware and software. During this time the service was independently rated as the best technical support line for three consecutive years. Sole Unix System V support Technician for over two years.

Additional Information & Interests

Education

Production Engineering BSc (Hons) 2:1, Leeds Metropolitan University, 1981 to 1985

3 GCE 'A' levels (Maths, Physics, Business Studies), 9 GCE 'O' levels, Gordonstoun School, Elgin, 1975 to 1980

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| <ul style="list-style-type: none">• Health - excellent• Full, clean driving licence• References available on request | <ul style="list-style-type: none">• Sailing. 75,000 miles including four Trans-Atlantic crossings, three as the Skipper. Qualified R.Y.A./D.O.T. Yachtmaster (Ocean).• Ski-ing, snowboarding, gliding and hill walking (three months in Tibet walking to the advanced base camp on Everest, Kilimanjaro & Toubkal). |
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