Gulraj D Rijhwani

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Nationality:	British		
Driving licence:	British; full PLG		

Personal profile

Gulraj is a strategic planner and creative multi-skilled technician. He has developed strong practical commercial awareness and communication skills, and has experience of working under pressure with urgent requirements and to short deadlines. He has an eye for potential pitfalls, limitations and contingencies, and is a focussed problem-solver, having gained experience in maintenance, support, operations and development roles. With an ability for fast learning he is readily adaptable and driven by the desire for stable results and quality, and relishes a challenge. Member of both the BCS and the ACM.

Key skills

General skills: *Analytical thinking. Problem solving. Communication. Foresight. Prioritisation. Focus. Commitment.*

Technical skills: *Penetration testing and security review. Server and environment management to PCI-DSS and ISO 27001 standards. Containerisation (Docker). Server (LAMP et al on CentOS/Red Hat; Debian; Ubuntu; Slackware), and desktop - e.g. XFCE, KDE, GNOME. Service monitoring and alerting. Shell scripting (multiple shells - Bourne, BASH, etc.) Splunk (log aggregation, search and manipulation) administration. Networking & data communications; TCP/IP (Ethernet; broadband and dial-up - PPP configuration, ip-tables, etc.), CIFS/SAMBA (unix/windows SMB file sharing), e-mail (SMTP/POP3/IMAP), news (NNTP), NFS. Technical writing and documentation. Microsoft Windows desktop and server environments. Pick/Universe/Unidata management and programming. Hardware installation, commissioning and maintenance.*

Recent career history

Full-time academic studies

University of Greenwich   September 2019 - May 2022 *(expected completion)*
Self-funded study break.

DevOps and Security engineer

Netplay TV (Betsson Group) September 2018 - December 2019 *(business closure)*
Initially employed to stabilise and administer Linux infrastructure as an ongoing venture, the role changed to one of consolidating and reducing infrastructure and collaborating with international teams to ensure safe transfer of digital assets after the closure of the UK business was announced in November 2018.

- Remote administration of containerised (VMware, Docker, Container Linux) web and development infrastructures.

- Resilience and continuity management of same.

- Security testing assessment, and management of same.

Gulraj D Rijhwani

Penetration Tester and Systems Administrator

Hedgehog Security   July 2015 - December 2017
Engaged in on- and off-site vulnerability assessment, penetration testing and reprting for several clients, ranging from small to large blue-chip organisations, whilst participating in the management of the company's internal and public-facing infrastructure.

- On- and off-site infrastructure and web application penetration testing, and reporting.
- Physical security assessment.
- OSSIM deployment, management, monitoring, and alerting.
- Nessus and other vulnerability detection tools.
- Metasploit and other exploitation tools.
- Dradis collaboration tool configuration and use.
- Study toward Offensive Security's OSCP accreditation.
- FreeIPA deployment.
- Python.

Interactive Division, Linux Systems Administrator

Coral Racing Limited May 2012 - June 2015
Following the successful conclusion of the prior project, returned to operational systems administration this time in the new division unix operations team, whilst at the same time participating closely in the ongoing restructuring activity siting several main brands off-shore or with third parties.

- rudimentary F5 tmsh scripting.
- rudimentary Puppet configuration.
- OMD (CheckMK/Nagios single distribution/deployment).

Group IT, Linux Systems Administrator

Galacoral Group Limited   Sep 2011 – May 2012
Following restructuring of the group business divisions, and dissolution of the unix admin team, spent time seconded to a project to safely decommission or migrate legacy systems to new locations, in order to vacate the previous local HQ building.

- Splunk installation and management – storage, planning; deployment services; agent installation; index management, etc.
- Environment surveying and recording – scripted; semi-scripted; manual.
- Service differentiation and dependency management.
- Hardware and service migration/re-deployment.

Group IT, Unix Administration Team Supervisor

Galacoral Group Limited   Nov 2009 – Sep 2011
Management of the unix administration team, focussing on improving the quality and consistency of support cover, improving team morale and stability, and implementation of company strategies and standards. The role required a degree of conflict resolution, and frequent balancing of competing priorities, both from within the team and from the broader business at large.

- Job role specification.
- Staff recruitment.

Gulraj D Rijhwani

- Mentoring and development.

Group IT, Linux Systems Administrator

Eurobet Limited   Mar 2007 – Oct 2009
Day-to-day administration of individual servers and clusters in a busy distributed 24/7 segregated high-availability on- and off-shore e-commerce estate with particular focus on security, stability, PCI compliance, and quality standards.

- Secure systems administration in a multi-operating system environment - RedHat and CentOS Enterprise Linux; Slackware Linux; AIX.
- Involved with architecture, impementations and maintenance of PCI-DSS compliant corporate IT environment, and accompanying procedures, documentation and auditing.
- SSL certificate management, and procedure documentation.
- Load-balancing and traffic management - F5 Big-IP LTM appliances (GUI and bigpipe shell); Linux Virtual Servers.
- Splunk! log management deployment, and documentation.
- Service capacity planning and management.
- VMware administration, and P2V migrations.
- IBM Bladecentre H; x- and p-series commissioning, administration, maintenance and documentation.
- HP Proliant and Storageworks hardware commissioning, administration and maintenance.
- Physical server racking, cabling, commissioning, soak-testing.
- Operating system patch and upgrade planning and implementation.
- Systems and service monitoring - Nagios; Cacti; HP-SIM (Systems Insight Manager).
- Rudimentary SAN storage management (IBM DS8300).
- Out of hours support; full incident management and reporting procedures.
- Systems documentation - formal change control, procedure specification and operations Wiki (Wikimedia-based).

Director, freelance consultant and contractor

Courtfields Limited   Nov 1995 – Apr 2009 *(voluntary dissolution)*
Contract and ad hoc software development, infrastructure management, general IT support and consultancy to a wide variety of small and medium-sized clients.

- On- and off-site user systems support.
- Linux installation, commissioning, kernel configuration and maintenance, and network management.
- Linux/X desktop installation and configuration (shell, FVWM, KDE, XFCE).
- Linux/Unix e-mail configuration. (sendmail)
- SpamAssassin installation and configuration. (Linux/Sendmail)
- OpenOffice installation and use on both Linux and Windows desktops.
- Kontact integrated PIM installation and management. (Linux/KDE)
- Web research with automated data manipulation and extraction, and mailing list compilation scripts. (awk, sed, Perl, web interfaces)
- Linux file server/MS Windows desktop domain and file services integration. (XP, Linux/SAMBA/CIFS)
- Automated calendar integration with web data sources. (awk, sed, Perl, web interfaces)
- Web page construction.
- Automated web site updating with real-time data. (awk, sed, Perl, web interfaces)
- Web cam deployment; frame capture and video recording. (Slackware/Fedora linuxes)

Gulraj D Rijhwani

- Automated web site monitoring, with e-mail and/or newsgroup status notifications.
- Windows Desktop mail client installation. (clients Eudora, MS Exchange, Pegasus, KMail, etc.).
- Microsoft Windows network installation and configuration, and server and desktop management.
- Crystal Reports development.
- Self-study: CompTIA Administrator+ and Network+; Java; XHTML and CSS2 standards.
- Freelance programming and consultancy: Pick, Mentor, Unidata, UniVerse, and general communications and data exchange.
- Data extraction, recovery and repair from obsolete/failed/undocumented systems. (Windows, Pick D3/Unidata, Linux)
- Tabular data migration and media/format conversion, and manipulation. (Windows, Pick/Unidata, Termite/SCO Unix/AIX)
- POP3 corporate e-mail pickup/filtering/internal redistribution. (SCO Unix/Linux)
- Software development of commercial back-office systems (ledgers, stock control) and travel systems (tour operations; small aircraft passenger check-in). (Pick D3, Unidata, SCO Unix/AIX)
- Pick/Unidata - e-mail integration for both user- and software-generated documentation. (GA R83 & R91 Pick, Unidata, SCO Unix/AIX/Windows)
- Pick/Unidata - CRS/GDS integration. (GA R83 & R91 Pick, Unidata, SCO Unix/AIX/DOS)
- Credit card terminal interfacing, real-time transactions. (GA R83 & R91 Pick, Unidata, SCO Unix/AIX)
- Fax integration and management. (Native Pick/Unidata, AIX/SCO Unix)
- LAN/Internet ISDN connection. LAN/Internet and World-Wide Web integration with Unix/Unidata applications. Web server installation.
- Hardware maintenance, repairs, and upgrades.
- Informal voluntary supporting consultancy on e-mail forensics for Metropolitan Police STERLING Pro-active Prevention team. (Received letters of thanks from both the Metropolitan Police Deputy Commissioner and the sitting local MP.)
- Managing company finances, accounts, and VAT and other tax obligations.
- Voluntary IT management and support work for local charities, and repair and support work for domestic users, including Windows networking and Microsoft Office product management, virus eradication, and protection and firewall software installation and configuration.
- Voluntary web design for local charities, using handwritten and validated (X)HTML and CSS2, drafted to W3C WAI and Bobby AA accessibility standards, and colour checked (with particular regard to the requirements of the DDA 1995, and RNIB guidelines).

Gulraj D Rijhwani

Previous Employment

DB admin and developer	**Major UK travel brand, Bromley, Kent**	Feb 2000 - Mar 2003
D3 Systems Admin & Developer	**Storage and fulfillment company, London**	Feb 1998 – Jan 2000
Senior Analyst/Programmer	**Travel software developer, Bromley, Kent**	Feb 1991 - Oct 1995
Systems Manger	**Niche tour operator, London W1**	Sep 1990 - Jan 1991
Analyst/Programmer	**Business software supplier, London N1**	Jan 1987 - Aug 1990
Field Service Engineer	**Hardware maintenance company, Surrey**	Jun 1984 - Dec 1986

Education

University of Manchester

3 years B.Sc. course in Computing and Information Systems (ungraded)

Hollyfield Secondary Modern School, Surbiton

GCE A-Levels:	Mathematics (B), Physics (B), Chemistry (C)
GCE A/O Levels:	Statistics (B)
GEC O-Levels:	subject passes (3A, 4B, 1C)

29 Feb 2020