Richard Primus

LinkedIn/Github: @rprimus   rprimus@gmail.com

TECHNICAL SKILLS

Operating Systems:	OpenBSD, Linux (Debian, Red Hat, Ubuntu)
Cloud/Network Management:	AWS, ansible, eucalyptus, nagios, cacti, puppet, rancid
Development:	Perl, bash, python
Internet Services:	smtp (postfix), DNS (bind), httpd (apache, nginx), cache (squid)
Network Hardware:	routers (Cisco, Juniper, Unisphere), switches (Cisco, Extreme)

CAREER HISTORY

Sabbatical   Jan 2018 — Jan 2020
- Took time off (after receivership) — visited: Common Lisp, Ruby, Python
- Audited courses on Coursera and EDX
- Experimented: GCP with Qwiklabs practicals

LLE-Ventures Ltd   London, UK
Infrastructure Engineer   Oct 2013 — Dec 2017
- Setup and managed infrastructure on AWS [EC2 (Ubuntu AMI) w/ EBS volumes].
- Used Eucalyptus to manage instances.
- Configured and deployed nginx web server with PostgreSQL.
- Used ansible for ad-hoc commands on servers.

Squiz Ltd   London, UK
Unix Systems Admin/Support Tech   Apr 2011 — Oct 2013
- Provided support to clients for the SquizSuite product line.
- Setup two new Applogic (cloud computing) grids (v3.1.14 + v3.5).
- Semi-automated the process of creating a new cloud appliance with required monitoring/backup infrastructure (dns, racktables, puppet, filtergen, bacula, nagios, cacti) — reducing time from 4 hours to 90 mins per server.
- Standardised switch configs (logging, ntp, STP, ssh, port labels) and introduced rancid for config management.
- Built an HA web site (10 nodes) using HAProxy, squid, lsyncd and PostgreSQL streaming replication.

BSc Student   Jul 2008 — Apr 2011
- Took time off of work to complete BSc (Hons) Comp Sci degree full time. (Sept 2009 — Jan 2011)
- Developed a trading methodology for the futures markets. Instruments: US Treasuries, FX Futures (Euro, British Pound) and Crude Oil.
- Started Erlang and wrote an OTP application to interface with Interactive Brokers' API to display live 5 second data for selected futures instruments.
- Developed various studies (in C++) for the Sierra Chart charting/trading platform.
- Started Scheme and lambda calculus to be more familiar with functional programming and its idioms.

Logica/Servista Ltd   London, UK
UNIX/Linux Systems Admin/Architect   Feb 2007 — Jul 2008
- Responsible for 3 production, 1 development and 1 training environments — 3 Sun Fire V880s, 12 V440s (Solaris 8) and 82 RHEL/Centos servers.
- Designed and implemented HA radius solution (Radiator w/ MySQL, DRBD, HA) for client
- Improved/automated in-house processes for monitoring (hobbit) and backups (bacula). Wrote a perl plugin to monitor Radiator on hobbit.

Cable + Wireless Access/Bulldog Communications   London, UK
Team Leader — Systems Operations   Mar 2005 — Feb 2007
- Technical team lead of 3 UNIX sysadmins and a developer.
- Support and administration of distributed user authentication platform — consisting of 8 Sun Fire V440s under Solaris 9 with multi-master replicating Sun One (iPlanet) LDAP backend.
- Operationally responsible for Juniper SDX platform (30 Sun Fire V440s)
- Proactively designed, developed and implemented Perl scripts that monitored the SDX platform.

Richard Primus

LinkedIn/Github: @rprimus   rprimus@gmail.com

PacketExchange   London, UK
Senior Operations Engineer   Nov 2003 — Feb 2004
- Analysed, planned and implemented efficiency measures to reduce lead time in setting up BGP peers.
- Developed a perl script to interface with RT trouble ticket system's API to automatically create tickets.

Atlas Internet   London, UK
UNIX Systems/Network Engineer   Nov 2002 — Aug 2003
- UNIX SA for bind 9 (300+ domains), radiator, CGPro under Solaris, and Linux
- Increased overall efficiency by developing Perl CGI scripts to enable first line support and sales to garner client information (webspace, mail info).

GlobalCrossing/Frontier/GlobalCenter/VoyagerNet   London, UK
Senior IP Network Engineer — Traffic Eng   Aug 2000 — Mar 2002
- Extensive work with WANDL (Wide Area Network Design Lab) for management, grooming and fault analysis of global MPLS TE network consisting of over 700 network devices.

Senior IP Network Engineer — Router Eng   Jan 2000 — Aug 2000
- Ensured that new network devices being attached to the network conformed to code and configuration standards.

Senior Technical Account Manager   Aug 1998 — Dec 1999
- Coordinated, set up and managed the infrastructure (installation and configuration of Cisco 75xx routers, Cisco 5500 switches, Nortel PDH mux, FTP, DNS (Solaris) and mail (Linux) servers) for the first Data Centre in Europe, and all technical responsibilities thereafter — both customer and network.

UNIX Systems Administrator   Mar 1998 — Aug 1998
- Decreased impact of network outages to all frame relay customers by setting up ISDN backup on Cascade switch — which also required a firmware upgrade.

Bway Net Inc.   New York, NY
UNIX Systems and Network Administrator   Oct 1997 — Mar 1998
- Increased customer satisfaction by identifying and solving major chronic problems with news server (innd running on Solaris 2.5).

El Net Inc.   New York, NY
UNIX Systems and Network Administrator   May 1997 — May 1998
- Designed and engineered new POP for increased capacity and reliability for dial-in and ISDN customers and subsequent migration to new location.

Sense/Net Inc.   New York, NY
Director Of Technical Operations   May 1996 — Oct 1997
- Introduced new technology to the company that increased opportunities and market value.

AT&T Bell Labs   N Andover, MA
STA — Software Developer   May 1993 — May 1995
- Developed and documented a software tool (in C++ on UNIX) that aided ASIC hardware designers debug their designs for the first ATM switches, which increased efficiency of development cycle by 75 percent.

The Cooper Union   New York, NY
UNIX Systems Administrator   Nov 1992 — May 1995
- Administered security on a network of approximately 100 workstations and 7 servers — systems included several UNIX flavours (SunOS, Solaris, Linux, IRIX, Ultrix, AIX), VMS and DOS

EDUCATION, CERTS + TRAINING

- City University, School of Informatics, London, GB, BSc (Hons) Computer Science with Distributed Systems
- Erlang Open Telecom Platform
- Erlang OTP Express: An Introduction to Large-Scale Software design with Erlang
- Juniper: Introduction to the SDX-300 for Residential and WAN Services
- Juniper: Architecture, Configuration, Routing Policy, Troubleshooting and MPLS Traffic Engineering