

CLOUD ARCHITECT LINUX, OPEN-SOURCE

PROFILE

Architect and system administrator Linux, UNIX (Solaris, AIX, HP-UX), and BSD. More than 10 years of experience in demanding production environments. Excellent knowledge of the most common network protocols (SSH, SFTP, HTTPS, HTTP, etc), as well as CISCO hardware and virtualization technologies (VMWARE, VirtualBox, LXC). Programming in shell, Perl, Python.

I am looking for a new position. Dynamic, bilingual in English, passionate about new technologies, I am able to bring perspective and energy to a new position. Result and service oriented, I am willing to relocate, looking for new challenges and new experiences.

EXPERIENCE

- **INFRASTRUCTURE DIRECTOR**, Dalenys, March 2020 – May 2021
 - Management of a team of 12 SRE, most of them remotely due to COVID-19.
 - Helped re-organize the team along more Agile lines, including nominating Scrum Masters and organizing sprints and workloads.
 - Hiring of additional resources for the team, including contractors and international team members.
 - Selection of several providers, including for Cloud projects.
 - Helped design and present GCP Cloud migration projects to stakeholders, including senior management.
 - Supervised and assisted in several security audit projects, such as PCI-DSS (AOC and ROC obtained in 2020) and Swift SAQ.
 - Helped design and present the evolution of existing infrastructure, in order to cope with increasing loads.
- **SENIOR LINUX ARCHITECT**, SAP Concur, January 2019 – March 2020
 - Tasked with migrating internal services and applications to SAP products.
 - Task automation and infrastructure creation on Azure and AWS in an IaaS and PaaS mode.
 - DevOps team, applying Agile methodologies, with a Scrum Master certification obtained early 2019.
 - Creation of the main ELK platform in order to manage logs for several applications.
 - Management of the connections between internal applications and applications hosted on Azure.
 - Management of the application connections through internal certificate authorities.
 - Migration management from internal infrastructure to hyperscale suppliers such as AWS and Azure.
 - Technology environment: AWS, Azure, Ansible, Terraform, Docker, Linux, Python.
- **SENIOR LINUX SYSTEM ENGINEER**, SAP Concur, January 2016 – December 2018
 - Responsible for part of the Production environment (EMEA/US).
 - Email management for the entire Concur application worldwide (11 to 20 million messages received/month).
 - European data center management (Paris, Amsterdam).
 - System administration with over 600 servers, mainly running Linux (CentOS, Red Hat).
 - Task automation and infrastructure creation on Azure and AWS in an IaaS and PaaS mode.
 - Security alerting and management, including coordination with the internal security teams, automation and KPI for security patches installation.
 - “Meltdown/Spectre” issues documentation and fix planning in global production infrastructure.
 - Involved in migration to AWS (“lift and shift”) and creation “from scratch” of the AWS production in China.
 - Involved in high-security governmental projects on AWS.
 - Technology Environment: Linux (Red Hat, CentOS), Windows Server 2012 to 2018, Ansible, Terraform, Cloud Front, CloudFormation, Docker, AWS.
- **LINUX ARCHITECT**, Direct Énergie, Paris, April 2015 – September 2015
 - Red Hat Enterprise Linux project architecture.
 - Writing of architecture documentation.
 - Project leader on the supervision upgrade (Nagios/Zabbix), including creating test environments, and basic documentation for installation.
 - Project leader on the orchestration/automation project (Ansible, Puppet, Salt Stack), including creating test environments, and basic documentation for installation.
 - Security analysis and recommendations, including detailed upgrade proposals and planning, meeting with the stakeholders within the production team.
 - Production and decisional process improvements.
 - Production intervention at level III, including on enterprise-critical systems.
 - Technology environment: JBoss, Tomcat, Apache, MySQL, Oracle, Red Hat Linux, VMware, NetApp, bash

and Python programming.

- ARCHITECT, EMEA SECURITY COORDINATOR, Publicis Re:Sources, Paris, Sept. 2011 – April 2015
 - Architecture and integration of Linux projects (Red Hat, CentOS, SUSE) and FreeBSD required by the France and Europe agencies for hosting in the EMEA data center.
 - EMEA Security Coordination, creation of standardized security configurations, including automated security analysis (Qualys, shells scripts, NMAP, OSSEC, DenyHosts). Creation of a security “Dashboard”, summarizing the most important information for upper management.
 - Project leader on a SIEM installation (Splunk) and a solution for the management of administrator accounts (Cyber-Ark).
 - Project Leader on the evolution of critical applications from a mainframe environment (IBM Z10) to Open Source environments (Linux, Oracle, XFRAME, XBM, NetCobol).
 - Level 3 support for the Publicis hosting administration team , including the creation of production documentations.
 - Technology environment: RHEL, CentOS, SuSE Enterprise, OpenSuSE, shell programming (bash, ksh), Python programming, monitoring with Solar Winds and OSSEC, local firewalls through DenyHosts (SSH) and personal scripts (FTP). VMWare Virtualization.
- LINUX SYSTEM ADMINISTRATOR, Jean-Claude Decaux (*contractor*), June 2011 – July 2011
 - Administration of 25 servers Linux 64 bits (Slackware, Red Hat), used for the internal infrastructure, including firewalls (IPTables) and proxy/caching servers (Squid).
 - Access authorization configuration.
 - Existing configuration analysis and optimization.
 - Performance analysis and optimization.
 - Documentation of existing systems and configuration.
 - Technology environment: shell programming (bash), Dollar Universe scheduler, monitoring with Octopussy, Nagios/Centreon, FW Builder firewall configuration.
- SYSTEM ADMINISTRATOR, BNP Paribas Arbitrage (*contractor*), October 2010 - June 2011
 - System Administration of 75 Solaris servers running the MUREX software (trading room software).
 - Designed and wrote several system management scripts, automated task management and check, critical report generation and mailing, critical processes monitoring, etc.
 - Followed critical applications 24/7/365, in a “follow the sun” configuration, in cooperation with various foreign teams (Hong-Kong, London, New York, Mumbai).
 - Check backup and restoration of the application database (Sybase).
 - Created, debugged and optimized repetitive scheduled tasks with the “Dollar Universe” scheduler.
 - Technology environment: Solaris 8 and Solaris 10, Dollar Universe scheduler, Database: Sybase. Programming: Perl, bash, ksh, System Monitoring: Nagios and BNP Paribas proprietary tools.
- SYSTEM ADMINISTRATOR, Alcatel Lucent (*contractor*), June 2010 - September 2010
 - System administration on 300 HP-UX SuperDome servers and 25 AIX backup servers. System administration of 100 SuSE Linux Enterprise servers, both Intel x86 and PowerPC.
 - Server installation through NIM or pre-configured system images.
 - Client account creation and configuration.
 - Managed access to servers through OpenSSH public/private key pairs.
 - Created UNIX services, including specific services for Alcatel-Lucent clients.
 - Backup management, including performances and sizing.
 - Server disk management, including adding and removing disk clusters. Designed and programmed several disk-related scripts in order to provide auto-configuration and backup software updating.
 - Technology environment: IBM AIX (5.2, 5.3, 6.1), HP/UX 11iv1 and 11iv2, GNU/Linux (SuSE Linux 10). Filesystems: JFS, JFS2 (AIX), ext3fs (Linux), Veritas (HP-UX). Programming: bash, ksh, sh. Schedulers: cron, at.
- SYSTEM ADMINISTRATION, Sungard Finance (*contractor*), November 2006 - May 2010
 - System Administration of more than 50 UNIX servers for the Sungard Finance development team.
 - System Administration of a dozen UNIX servers designed for "service bureau"operations, for Sungard Finance clients.
 - System Administration of about thirty UNIX servers, based in Switzerland and Great Britain, managed for APSYS/Sungard Switzerland. These servers were also used by development teams and for "service bureau" operations.
 - Network Administration including firewalls, switches and routers.
 - User account management through OpenLDAP.
 - Server access through OpenSSH, private/public key pairs.

- Firewall management (rule creations) in order to authorize access to the different servers.
 - Services configuration to provide access and file transfers, on such protocols as SSH, rsh, Telnet, and FTP.
 - UNIX services creation.
 - Backup and restoration management on all servers (performance, sizing, data encryption).
 - Disk management on all servers, including creating, attaching and removing LVM or NFS disk space, based on a 50 Terabytes HP SAN.
 - User account and rights administration.
 - Designed and wrote several system management script, including CPU load, starting and stopping processes and applications based on system operation.
 - Installed, updated and maintained specific applications on development servers, including compiling software required by programmers (Subversion, Valgrind, GNUPlot, etc).
 - Optimization of system performances. Installed dual-boot servers, virtualized or partitioned servers. Management of patches and system updates.
 - Technology Environment: Sun Solaris, IBM AIX, HP/UX, Tru64, GNU/Linux (Red Hat Enterprise, Debian, SuSE Linux), NetBSD, OpenBSD, FreeBSD. Filesystems: ZFS and UFS (Solaris 10), JFS and JFS2 (AIX), ext3fs and XFS (Linux). SAN: HP EVA 4100 – 6100 – 8100, and Brocade switches. Programming: bash, ksh, sh. Monitoring: Nagios, syslog and shell scripts. Firewalls: NetAsq, Fortinet, and "pf" under OpenBSD.
- SYSTEM ADMINISTRATOR, Siemens Transportation System (*contractor*) September 2006 - November 2006
 - System Administration of Solaris and GNU/Linux development servers.
 - Monitoring and administration of the NetApp NAS.
 - Administration of the development software (ClearCase, APEX/ADA), including license management, backup and restoration of internal VOB databases.
 - User account and user rights management.
 - Services management: NIS+, Apache, Postfix, etc.
 - Designed and wrote several system administration scripts (server inventory and updating), created and modified scheduled tasks and monitoring of the NAS disk space.
 - Technology Environment: Sun Solaris (version 6 and version 8), GNU/Linux (SuSE Linux version 9.0). NAS: NetApp. Programming: shell (GNU bash).
 - JUNIOR SYSTEM ADMINISTRATOR, Xooloo, September 2005 - June 2006
 - System Administration of a dozen production servers, providing Internet filtering and access control to schools, libraries and public administration buildings.
 - Installation of servers from OS installation, network configuration all the way to compiling kernels and specific applications.
 - Patch, system updates, security services management.
 - Designed and programmed shell scripts for system administration, including services monitoring, automated inventory, etc.
 - Firewall configuration.
 - Technology Environment: GNU/Linux (Debian, Slackware), Solaris 10, OpenBSD 3.9. Programming: shell (GNU Bash). Firewalls: IP Tables, PF.

DIPLOMAS

CESCI, PARIS, System and Network Administration – 2005
 AMERICAN UNIVERSITY, PARIS, Cisco CCNA – 2004
 AMERICAN BUSINESS SCHOOL, PARIS, Bachelor of Business Administration – 1993

TECHNOLOGIES

- GNU/Linux: Debian, Red Hat, CentOS, Slackware, SuSE, OpenSUSE, Ubuntu, etc.
- BSD: FreeBSD, OpenBSD, NetBSD.
- UNIX: IBM AIX, HP Tru64, HP-UX, Solaris, Macintosh OS X.
- Applications: Bind, Postfix, Apache, thttpd, nginx, Squid, OpenSSH, vsftpd, ProFTP, CUPS
- Programming: Bash, sh, ksh, Python, Perl.
- Automation: Ansible, Terraform, Docker, Packer, Kubernetes.
- Cloud platforms/hyperscaler: GCP, AWS, Azure.