Leonel Hernán Patané

Administrador de Sistemas

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About

- 34+ years of experience managing networks and linux systems
- Experience working in both government and large companies.
- High experience in 24x7 environments
- Open Source Specialist.
- High knowledge about internet protocols.
- Skills in detecting network issues and providing low cost solutions.
- Developer and specialist in LAMP environments.
- Specialist in 24x7 monitoring systems.
- Shell scripting
- Information Security
- High Availability
- Virtualization
- Cloud computing
- Cache
- Databases

Education

Cisco CCNA, *Fundación Proydesa*
2007 – 2008 | Buenos Aires, Argentina

Languages

Spanish   ● ● ● ● ●
English   ● ● ● ○ ○

Work Experience

SRE Engineer, *Digi Spain Telecom*
05/2022 – present | Madrid, Spain
Infrastructure, DevOps and Platform Engineer with strong experience designing, implementing and operating self-hosted, on-premise platforms for critical business environments.
Responsible for Debian server installation and administration, virtualization using Proxmox VE, and delivery of scalable and highly available infrastructure.
Advanced experience with Elasticsearch, including cluster architecture with Hot / Warm / Cold nodes, Index Lifecycle Management (ILM), Ingest Pipelines, and Component Templates, focused on performance optimization, data retention and cost efficiency.
Hands-on expertise in self-managed Kubernetes, leading the company-wide Kubernetes implementation, from initial design to production operations. Deep knowledge of Kubernetes networking using Calico CNI.
Implementation, configuration and optimization of Aerokube Moon for test automation platforms, integrated with MinIO / Nimio as S3-compatible object storage.
Administration and optimization of Couchbase clusters, including performance tuning, configuration and operational maintenance.
Development of internal applications in PHP and automation scripts in Bash to support infrastructure and operational workflows.
Owner of the Ansible adoption and rollout across the organization, including architecture design, development of reusable Ansible roles, process standardization and internal team training.
Installation, configuration and administration of core collaboration and security tools such as Passbolt (credential management), Mattermost (team communication) and Nginx (web and reverse proxy services).

College
1993 – 1999 | Buenos Aires, Argentina

High School, *Instituto Agustiniano*
1988 – 1992 | San Martín, Argentina

Elementary School, *Colegio Agustiniano*
1983 – 1987 | San Martín, Argentina

Strong focus on automation, reliability, security, scalability and infrastructure best practices, with a pragmatic, hands-on approach to continuous improvement.

System Administrator, *ElConfidencial*
2017 – 04/2022 | Madrid, Spain
System Administrator with hands-on responsibility for infrastructure operations, platform migrations, automation, and hybrid on-premise / cloud environments, contributing to critical technology modernization projects.
Configuration and administration of firewalls, VPNs, and networking components, including firewall version migrations and perimeter security optimization.
Migration of virtualization platforms from VMware ESX to Proxmox, as well as infrastructure migration between providers (NTT → Enterprise Cloud 1.0), ensuring service continuity.
Design and development of Ansible roles to automate platform migrations and standardize configurations.
Migration of MySQL 5.5 to Percona XtraDB 5.7, followed by on-premise MySQL to AWS Aurora Serverless migration, achieving zero downtime during the process.
Configuration of AWS Database Migration Service (DMS) for continuous data replication.
Installation, configuration, and performance tuning of the ELK Stack (Elasticsearch, Logstash, Kibana) for centralized log analysis.
Configuration of HAProxy and Varnish for load balancing and web performance optimization.
Installation and administration of Couchbase, including XDCR configuration to replicate data across platforms.
Installation, configuration, and administration of Apache Guacamole for secure remote access.
Creation of environments and containers using Vagrant and Docker, and development of Docker images for Kubernetes platforms.
Active participation in the migration of the NTT platform to Kubernetes on AWS, provisioning infrastructure with Terraform and managing environments using Kustomize.

System Administrator Manager, *Mitula Group*
2016 – 2017 | Madrid, Spain
Head of IT with full ownership of infrastructure and IT operations, leading technical, operational and strategic decisions to ensure platform stability, scalability and performance.
Responsible for IT infrastructure procurement (servers, switches and storage systems), including technical evaluation and vendor negotiation.
Ongoing maintenance and continuous improvement of the company's infrastructure, focusing on availability, performance and security.
Led the migration of over 300 subdomains from Apache/HTTP to Nginx/HTTPS, enabling HTTP/2, resulting in significant improvements in site response times.
Configuration and optimization of HAProxy for load balancing and high availability.
Design, configuration and continuous improvement of Ansible for infrastructure automation and standardization.
Migration of the virtualization platform from XenServer to Proxmox, improving operational efficiency and platform maintainability.
Provided guidance and recommendations on Data Lake architecture, aligned with business and scalability requirements.
Improvements to the company's data center (CPD) network and planning of CPD migration, ensuring minimal service disruption.
Planning and coordination of the Fashiola migration, covering technical and operational aspects.
Configuration and administration of firewalls and switches, strengthening network security and performance.

System Administrator Manager,
Unidad Editorial
2016 – 2016 | Madrid, Spain
Responsible for the maintenance and operation of the IT infrastructure supporting Unidad Editorial's main web platforms (Marca, El Mundo, Expansión, Telva, among others), ensuring high availability, performance and service continuity.
Technical decision-making regarding the technologies used across production environments, aligned with business, performance and scalability requirements.

Planning and implementation of Disaster Recovery Strategy (DRS) for critical web services and platforms.
Maintenance of the data center (CPD) and CDN configuration, improving content delivery and response times.
Configuration and administration of Puppet for infrastructure automation and configuration management.
Management and negotiation with external providers, coordinating support, maintenance and platform evolution.

System Administrator, *Unidad Editorial*
2013 – 2016 | Madrid, Spain
System Administrator with hands-on responsibility for Linux infrastructure, virtualization, web services, databases and integration platforms.
Installation, configuration and administration of Ubuntu Linux servers and Proxmox virtualization platform.
Administration of database systems including MySQL, PostgreSQL and Oracle, leading the migration from MySQL to PerconaDB.
Installation and administration of Apache, Nginx, PHP-FPM, JBoss and application servers.
Led the technology migration of El Mundo, Marca, Expansión and Metrópoli from legacy environments (Debian 4 + PHP 4) to modern platforms (Ubuntu 12 + PHP 5).
Implementation of centralized logging platform using Elasticsearch, Logstash and Kibana.
Installation and administration of Varnish Cache to improve web performance.
Configuration and administration of Puppet, developing classes and templates for infrastructure automation.
Administration of Git / GitLab repositories and CI/CD platform with Jenkins (master and slaves).
Installation and administration of Cassandra, Redis and MongoDB.
Configuration and administration of firewalls and load balancers (Alteon).
Installation and administration of RabbitMQ and Mule ESB for messaging and system integration.

System Administrator,
Diximedia - La Información
2010 – 2013 | Madrid, Spain
System Administrator responsible for infrastructure, web services, virtualization, monitoring and platform migrations.
Installation, configuration and administration of Apache servers, MySQL, Tomcat, Resin, Jenkins and backend services.
Administration and configuration of VMware ESX, ensuring stability and proper operation of virtualized environments.
Installation, configuration, administration and upgrade of Redmine, supporting project management and technical teams.
Implementation and administration of monitoring platforms based on Nagios and Opsview, including the development of custom service checks.
Administration of the SVN server, responsible for maintaining multiple repositories and ensuring proper operation, including platform upgrades.
Led the migration of backend servers from the BT datacenter to Arsys Cloud, ensuring service continuity.
Installation and configuration of Apache Traffic Server and Varnish as reverse proxies, used for CDN purposes and traffic optimization.

System and Network Administrator,
Digiknow
2008 – 2010 | Buenos Aires, Argentina
Network and Systems Administrator with direct responsibility for network infrastructure, information security and Unix environments in an international corporate setting.
Administration of Unix servers (Solaris 10) and related services including MySQL, Sendmail and Apache.
Configuration and administration of Cisco firewalls (ASA and PIX), defining security policies, rules and exceptions.
Management of perimeter security systems using Cisco AIP IPS and Cisco Security Agent.
Configuration and administration of Cisco switches, VLANs and Cisco wireless networks, ensuring segmentation, performance and availability.
Configuration and operation of Cisco CallManager, deployed across Cleveland, Columbus and Buenos Aires, including communication gateways.

Implementation of network improvements in the Cleveland colocation facility, enhancing connectivity and resilience.
Design and implementation of an IP Renumbering project, ensuring a structured and low-impact transition.
Administration of VPN services using Cisco VPN Concentrator 3000, Cisco ASA 5510 and Cisco ASA 5520.

Network Administrator, *Facultad de Medicina - Universidad de Buenos Aires*

2007 – 2008

System Administrator responsible for infrastructure, network services, security and technology migrations within an academic environment.
Installation, configuration and migration of the proxy server from SUSE 9.3 + Squid 2.4 to Debian Etch + Squid 2.6, improving stability and performance of Internet access.
Administration of database servers (PostgreSQL 8), mail servers (Courier IMAP, Postfix, SpamAssassin), and intranet and Internet servers running on SUSE Linux.
Execution of a firewall migration, moving from SUSE 9.1 + iptables to Astaro Secure Gateway, strengthening perimeter security.
Implementation of physical infrastructure improvements, including MDF and IDF work, rack reorganization and cabling optimization.

Network Administrator,
Ministerio de Salud de la Nación

2005 – 2008 | Buenos Aires, Argentina

Network and Systems Administrator with responsibilities in network administration, information security and Cisco consulting within a governmental environment.
Installation, configuration and migration of domain servers from Mandrake Linux 8 with Samba 2 to Debian Sarge with Samba 3, ensuring authentication service continuity.
Installation, configuration and migration of mail servers from Trustix Linux with Cyrus-IMAPd 2.1 and Postfix to Debian Sarge with Cyrus-IMAPd 2.2 and Postfix, integrating Postgrey and SpamAssassin for improved spam filtering.
Installation and configuration of firewalls and point-to-point links between remote offices and the central office using Astaro Secure Linux and Cisco 1600 series routers.

Implementation of mail relay servers based on Debian Sarge, Cyrus-IMAPd, Postfix and SpamAssassin.
Installation and configuration of mail antivirus scanning servers using Amavis and ClamAV, strengthening messaging security.
Network administration, information security management and specialized Cisco infrastructure consulting.

Network Administrator,
DDM - Teleservicios y Marketing S.A.
2005 – 2005 | Buenos Aires, Argentina
Head of IT and Network Administrator, focused on information security, systems administration and implementation of security audit recommendations.
Administration of NT Domain Servers and Windows 2000 Server, ensuring reliable operation of authentication and network services.
Installation and configuration of proxy servers based on Debian Sarge and Squid 2.5, implementing filtering policies by service and user levels.
Installation and configuration of DNS servers for internal and external zones using Debian Sarge and BIND 9, including zone transfers and deployment in chrooted environments for enhanced security.

Network Administrator, *Presencia.Net*
2003 – 2005 | Buenos Aires, Argentina
Network Administrator responsible for the operation and maintenance of the company's IT infrastructure.
Configuration and administration of web servers, mail servers and firewalls, ensuring service availability and security.
Design, configuration and administration of an NFS cluster for Apache servers, optimizing shared content access.
Development of statistics and invoicing systems, built using PHP and MySQL, aligned with business requirements.
Implementation of firewalls and perimeter security policies.
Responsible for the improvement and evolution of the company's CMS, developing new features and optimizing existing software.

Freelance, *Programas de Salud Lar*

2001 – 2003 | Buenos Aires, Argentina

Freelance IT Consultant responsible for the initial implementation of the organization's Linux infrastructure.
Installation and configuration of Linux servers and related services, including web server, DNS, mail server, Samba acting as a Domain Controller, firewall and proxy server.
Installation, configuration and administration of Oracle 8i on Linux, ensuring reliable database operation.

System Administrator,
Provincia Servicios de Salud

1998 – 2000 | Buenos Aires, Argentina

Systems and Network Administrator responsible for the implementation and operation of the organization's IT infrastructure.
Installation and configuration of Linux servers providing SMB / NetBIOS services for integration with Windows environments.
Configuration of firewalls, proxy servers and gateway servers, ensuring secure and reliable connectivity.
Installation and configuration of Apache web servers for internal and external services.
Implementation of LDAP servers for centralized user management and authentication.
Installation and administration of Windows NT 4.0 servers, mail servers, intranet and Internet servers, including web page development.
Programming and administration of the organization's telephone exchange.
Design and implementation of a fax server using open-source software.
Administration of the call handling system and implementation of the Call Center, integrating IT infrastructure and telephony.