

# JONATHAN BUSTILLOS OSORNIO



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Critical thinking, decision making and problems solving skills. Passionate **GNU/Linux System Administrator and SRE** with experience in Cyber Security, DevOps culture and tools.

## Areas of Knowledge

- Administrating **GNU/Linux servers** since 2014.
- **Free Software** and **Debian Developer**, user, collaborator and speaker.
- Experience **leading** teams with **DevOps culture** and **Agile frameworks**.
- Working with **AWS, Docker, KVM-QEMU, LXC, PROXMOX** and **GitLab** since 2016 and several of their most important components (EC2, IAM, Route53, S3, containers, images, network, volumes, docker-compose, git flow, merge requests).
- Knowledge about **Ansible, Terraform, Kubernetes, OpenStack, GCP, DC/OS, GitLab CI, Bitbucket CI, Jenkins, Check\_MK, PostgreSQL, MariaDB, Nginx, Kali Linux, ParrotOS, RedHat** and **OpenSUSE**.
- Administration of **Atlassian accounts**, usage of **Scrum framework** with **Jira** and creation of documentation with **Confluence**.
- Using **Debian GNU/Linux** since 2008.

## Professional Experience

### Amazon – Linux Engineer (July 2024 – Present)

Linux Engineer at Amazon troubleshooting, analysing and giving technical guidance to AWS users related to Ubuntu, Red Hat and Amazon Linux in EC2 instances, WorkSpaces as well EBS volumes to use successfully these services for their cloud computing needs.

### Skylarware Tech - Free Software and GNU/Linux consultant (August 2023 – Present)

Offering services such as Linux System Administration, Free Software and Open Source solutions, Linux Desktop technical support, IT managed services, guidance for smartphone usage with Free Software and GNU/Linux without Android nor iOS, Cyber Security consultancy, Pentesting, GNU/Linux trainings and courses.

### Resuelve tu deuda - Infrastructure Engineer (March 2023 – July 2024)

Adminstrated different services in AWS, GCP and in KVM on-premises. Used Terraform and Ansible to create and configure Infrastructure as Code for our development, QA and production environments. Used GitHub as version control system for our code and documentation, GitHub Actions for CI/CD, as well Kanban as Agile framework to organise and achieve our tasks taking care of the services and programs of the company doing monitoring with DataDog, to offer credit repair solutions to our users in Resuelve tu deuda (Resolve your debt) company.

- Orchestrated Botpress chatbot service using Terraform, Terragrunt, Ansible, Docker, GitHub Actions and GCP in the development, sandbox and production environments to improve the customer experience through written contact with our company.
- Migrated KVM VM's successfully between sandbox and production environments on-premises with Ubuntu and Red Hat.
- Orchestrated WhatsApp Business servers using Terraform, Terragrunt, Ansible, Docker, GitHub Actions and GCP, updating the company instances OS and using the last versions of WhatsApp Business to enhance security.

### **Self-employed - Linux SysAdmin and SRE (July 2022 - March 2023)**

Linux System Administration, Free Software and Open Source solutions, Linux Desktop technical support, IT managed services, SRE and DevOps part-time worker.

### **Albo - Cloud Engineer (November 2021 – July 2022)**

Automated cloud infrastructure with GCP, AWS and Kubernetes using Terraform and Bitbucket CI pipelines.

- Helped to introduce AWS SSM to manage EC2 instances better and safer.
- Participated in the orchestration of a DRP solution for our production environments in GCP and AWS using Terraform, Kubernetes and Bitbucket CI pipelines.

### **ITS – Technical Lead (March 2019 – November 2021)**

Managed cloud computing instances using AWS for the development, testing and production environments, once designed the new infrastructure architecture and done a successful migration from dedicated servers to EC2 instances. S3 storage, IAM policies and Route53 management. Version control system administration, CI and Agile practices with GitLab, GitLab CI as well Atlassian Jira and Confluence to improve the software development cycle of the main product of the company called "Asiune", to offer car insurance comparisons and purchases to end users through web, Android and iOS applications.

- Introduced the DevOps culture into the company to deliver software releases faster and with better quality.
- Migrated the whole development, QA and production environments from a dedicated servers architecture to a cloud computing one with AWS.
- Worked on designing the GitLab code repositories organisation and the branching model for the software development.
- Introduced Agile practices to the company with Jira and Confluence.

### **MACD GmbH – Linux System Administrator (March 2018 – October 2018)**

GNU/Linux System Administrator in the area of banks and stock exchanges at MACD GmbH in Germany, working with Debian GNU/Linux, PROXMOX, KVM-QEMU, LXC, pfSense, GitLab, Zimbra, Elasticsearch, Icinga, Check\_MK, Jira and Confluence, as well helping to maintain the IT infrastructure on which the main products of the company "GLOX" and "Aixecute" run, as an order management system to do trading and a stock exchange system developed to purchase and to sell shares, to bring Software as a Service (SaaS) financial solutions to our customers.

- Migrated the organisation's repositories from a Gitolite server to GitLab.

### **DatioBD – DevOps Engineer (March 2017 – February 2018)**

DevOps Engineer at DatioBD company working with Agile and Scrum culture, orchestrating and automating services for our Big Data platform using Terraform, Ansible, OpenStack, Google Cloud Platform, DC/OS, Docker and Git to make possible to our Data Scientists the usage of Hadoop, Spark and Jupyter technologies in a well optimized environment to improve the Business Intelligence of the BBVA bank. System administration tasks with GNU/Linux and Free Software based solutions for our infrastructure servers for virtualization, networking and security with some tools as PROXMOX and pfSense. GitHub and Atlassian services administrator, as well usage of Jira and Confluence applications to follow and achieve the goals of our team tasks during the work sprints and to create documentation.

- Orchestrated successfully OpenStack and GCP instances using Terraform, Docker and Ansible with Python scripting files.

### **Karalundi – DevOps Engineer (March 2016 – March 2017)**

DevOps Engineer at Karalundi company, responsible of install, maintain, automate and improve the platforms for the demonstration, development, testing and production environments. Deployment of the necessary setups for the company's main product "Koala VSP", as a software solution for voice, face and fingerprint biometric recognition. Migration of VMware vSphere Virtualization platform and all its virtual machines to PROXMOX VE as the new development, testing and production environment. Installation and maintenance of servers with Debian, CentOS and Red Hat in physical machines, Docker and LXC containers, KVM-QEMU virtual machines and Amazon Web Services instances with EC2. System monitoring with Icinga2, development of BASH scripts to automate some GNU/Linux tasks according to the needs of our users, as well as management of the version control system for the source code and the configuration files of our developments with Git and GitLab.

- Migrated a VMware vSphere virtualization platform and all its virtual machines to PROXMOX VE.

### **MPSnet – Linux Engineer (February 2015 – March 2016)**

Linux Engineer in the area of servers and applications in MPSnet company, performing system administration tasks with GNU/Linux and Free Software based solutions, virtualization, system monitoring, databases, hosting and web services troubleshooting and customer support via Help Desk.

- Designed and set up of a system monitoring solution for the company with Zabbix instead of Orion SolarWinds.
- Designed and set up of a passwords management solution by area inside the company with TeamPass.
- Designed and developed a Linux Mint OS customization for a project of desktop virtualization with Parallels 2X Client and VDI for one of our customers.

### **Farmasuper Xochimilco - Linux System Administrator (January 2014 - February 2015)**

GNU/Linux System Administrator in Farmasuper Xochimilco medicines distributor, as servers administrator with Debian GNU/Linux, PostgreSQL and MySQL databases backups, POS terminal with LemonPOS and maintenance and management of business software with OpenERP.

- Resolution of a problem about quotas limit disk space on a production server for the PostgreSQL databases of OpenERP, temporarily copying these databases to the backup server which I was fully administrating with more storage hard disk capacity, for sales were not affected because of the problem of the production server storage in which I had not enough privileges as sysadmin.

## **Languages**

English (advanced), German (intermediate), Spanish (native)

## **Certifications and courses**

- “Hashicorp Certified Terraform Associate”, A Cloud Guru.
- “Kubernetes Essentials”, Linux Academy.
- “LPI DevOps Tools Engineer Certification”, Linux Academy.
- “Implementing DevOps in the Real World”, Pluralsight.
- “Penetration Testing and Ethical Hacking with Kali Linux”, Pluralsight.
- “DevSecOps Essentials”, Linux Academy.
- “Ansible Quick Start”, Linux Academy.
- “PostgreSQL Getting Started”, Pluralsight.
- “DevOps Essentials”, Linux Academy.
- “Docker Deep Dive”, Linux Academy.
- “Introduction to OpenStack”, Pluralsight.
- Linux Professional Institute Certification 1 ( LPIC-1)
- SUSE Certified Linux Administrator
- “Linux Servers Administration”, Faculty of Sciences, UNAM.
- “Introduction to Programming”, DGTIC, UNAM.

## **Education**

Computer Science - Faculty of Sciences, UNAM.

Sociology - Faculty of Political and Social Sciences, UNAM.

## **Hobbies**

- Debian Developer
- Salsa, Bachata and Kizomba dancing
- Music, movies and art exhibitions
- Videogames
- Skateboarding
- Linux Academy, O'Reilly Media, ACG and Pluralsight online courses