

# Angel Rengifo, DevOps Engineer

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## PERSONAL SUMMARY

Seasoned IT professional with extensive experience in Open Source Technologies, IT Infrastructure, Cloud computing, and Automation.

## WORK EXPERIENCE

**DevOps Engineer, Modus Create** / Feb 2023 - Present / Lima, Peru

Modus Create is a software development company that specializes in serving U.S. companies with Dedicated Agile Teams and Staff Augmentation services of rock-solid software engineers.

- Led the refactoring and development of dozens of Terraform modules based on best practices (clean code, tests, documentation, reusability) for AWS and Kubernetes resources.
- Standardized Kubernetes deployments based on Terraform modules deployed with Terragrunt tool.
- I developed a new CI/CD workflow approach for Node.js applications based on GitHub actions. I integrated multiple tools for unit testing, SAST, vulnerability scanning, Docker image building, linting, and deploying.

**DevOps Engineer, Truelogic Software** / Jan 2021 - Jan 2023 / Lima, Peru

Truelogic is a software development company that specializes in serving U.S. companies with Dedicated Agile Teams and Staff Augmentation services of rock-solid software engineers.

- Led the implementation and adoption of Ansible AWX with integration with Okta (SAML auth.) and Hashicorp Vault (auth and secrets management).
- Developed several Ansible roles, which served as a common framework to integrate playbooks and AWX Templates with Hashicorp Vault AWS Auth and Vault SSH Signed certificates for all the other existing roles.
- Maintained, improved, and refactored multiple Terraform modules, most of them migrated from TF 0.11.x to 1.1.7. Worked with terragrunt to provision AWS Infra using terraform modules and pipelines.
- Maintained and developed new CI/CD pipelines for Gitlab CI on different Node.js-based projects deployed on Amazon ECS.
- Developed Hashicorp Packer templates and CI/CD pipelines for building AMIs using Ansible and AWX as part of the workflow.

**SRE, Tumisoft** / Aug 2016 - present / Lima, Peru

TumiSoft is a company committed to digital transformation. It offers economical solutions with the highest programming standards to thousands of Peruvian entrepreneurs looking to grow their businesses. It's part of the Top 10 successful start-ups in Peru. I worked as a freelancer at nights and weekends as a side project.

- Provisioned an early version of IT infrastructure for Web applications on AWS using EC2 instances, Cloudfront, S3, SQS, RDS, and SES.
- Deployed an On-Premises Data Center based entirely on Open Source software such as Proxmox VE, Ubuntu Linux, pfSense Firewall, Master/Slave MySQL servers, Self-hosted Gitlab, Docker, Nagios, Traefik, Nginx, Redis. Also performed the infra hardware-layer configuration consisting of 3 bare metal nodes working as a Cluster with IBM Storwize as Shared storage and NAS for backups.
- Migrated most of the AWS stack to the Data Center to reduce costs. During the process, I improved most of the components' performance and reliability, including MySQL tuning, backup policies, two firewalls configured in HA, migration from BitBucket SaaS to our own Gitlab server, and monitoring with Nagios.
- Extended and initially improved the monitoring capabilities using New Relic and then migrated to Prometheus & Grafana.
- Configured CDN, WAF, and Load Balancing in Cloudflare for all the applications.

- Started planning workload migration from Docker Compose to self-hosted Kubernetes and implementing the secondary Data Center as part of the Disaster Recovery project.

**Pre Sales Cloud Engineer and Cloud Architect, Soluciones Orion / Mar 2020 - Dec 2020 / Lima, Peru**

Orion is one of the key players in the Cloud Solutions market. With solid partnerships with companies such as Amazon, Microsoft, Oracle, Google, and Huawei, it's the leading company with more experience in Cloud adoption in Peru.

As Cloud Architect

- Designed, implemented, and supported reliable customer cloud architectures. Performed Cloud governance, supported by automation tools such as CloudFormation, Lambda, Python, and Terraform.
- Automated internal processes using custom code based on Python, Ansible, and Terraform. Deploy, document, and troubleshoot Hashicorp Vault and Terraform Enterprise for banks and other big companies.
- Knowledge transfer tasks (demos, workshops) and POCs about Infrastructure as Code using Terraform, Vault, Ansible, and CI/CD. Led the internal adoption of DevOps initiatives and culture.

As Pre-Sales Cloud Engineer:

- Worked with AWS, Azure, GCP, and Hashicorp to help shape and execute a strategy to develop their offerings on the Cloud.
- Assisted Account Managers in closing Cloud opportunities. I responded to technical questions and RFPs from clients.
- Ran technical demos of Enterprise Hashicorp Vault and Hashicorp Terraform for potential clients.

**DevOps & Cloud Engineer, Canvia / Aug 2017 - March 2020 / Lima, Peru**

Canvia is one of the biggest IT Consulting players in the Peruvian market. It provides a wide range of solutions for big companies in areas such as Software Development, Service Desk, Data Center Hosting, and Managed Services.

As Automation Team Leader

- After being promoted from Cloud Engineer, I led a small team of practitioners and one semi-senior Linux SysAdmin. We were the first team founded in our company dedicated to automation initiatives to reduce repetitive operational tasks.
- Led and developed a challenging project of Virtual Machines provisioning for VMware vSphere entirely based on Infrastructure as Code tools, such as Ansible, AWX, Packer, Terraform, PowerCLI, and Powershell.
- Worked also with our biggest client in the cloud to automate common repetitive tasks such as EC2 usage reports, RDS snapshot replication between regions, and resource tagging, among others.
- Provided Infrastructure as Code training for a large number of coworkers. These were technical sessions focused on Terraform, Ansible, Vagrant, and Packer.

As Cloud Engineer

- I was the first specialist promoted from the Linux/UNIX team to the newly created Cloud team.

- Keeping a multi-cloud approach, we leveraged Azure and AWS cloud platforms to migrate workloads from our on-premises Data Center.
- Led the first AWS Direct Connect implementation for our most important client in the cloud.
- Provided AWS training sessions for my colleagues and coworkers from other teams.

#### As Linux & UNIX Administrator

- Administered over 200 servers between Linux, AIX, and other UNIX flavors.
- Standardized Linux and Network Services configurations by using shell scripting and Ansible.
- Performed as the primary technical contact for some of the biggest accounts, providing technical support, assessments, consulting, and improvements for infrastructure based on IBM Power, AIX, and Linux systems.
- Provided Linux training sessions for my coworkers.

#### **CEO and Linux Administrator, SFI Networks / Feb 2016 - Aug 2017 / Lima, Peru**

IT Consulting company that provides Implementation and Technical Support for Linux and Open Source technologies. SFI Networks is a sole proprietorship business where I did management, sales, and engineering.

- Provided consultancy sessions, assessments, and evaluation of the best IT solutions to adopt based on Open Source products that help organizations to reduce costs.
- Implemented several types of Network Services on Linux, such as Firewalls, VPNs, Proxies, Mailservers, Antispam, Active Directory with Samba, Web Servers, OpenLDAP, Backup solutions, Virtualization, and other custom solutions.
- Provided private training sessions on Linux and Open Source products to my list of key clients.

#### **AIX Principal Engineer, Xerox-Atos / May 2014 - Jan 2016 / Lima, Peru**

**Linux & AIX Administrator, IBM / Jun 2011 - May 2014 / Lima, Peru**

**Linux Specialist, Consultoria Group / May 2010 - Jun 2011 / Lima, Peru**

**CEO and Linux Administrator, SFI Networks / Apr 2009 - Apr 2010 / Lima, Peru**

**Linux Administrator, Cosapi Data / Jul 2008 - March 2009 / Lima, Peru**

**Linux Administrator and Instructor, Novaltek / Oct 2006 - Apr 2008 / Lima, Peru**

**Linux Administrator and Instructor, UCH / Dec 2005 - Oct 2006 / Lima, Peru**

## **EDUCATION AND PROFESSIONAL QUALIFICATIONS**

### **Certifications**

- Docker Certified Associate (May 2021)
- Hashicorp Terraform Associate (May 2020)
- Hashicorp Vault Associate (May 2020)
- AWS Certified Solutions Architect Professional (Aug 2020)
- AWS Certified Developer Associate (Jun 2019)
- Google Professional Cloud Architect (Jul 2019)
- AWS Certified DevOps Engineer Professional (Sep 2019)
- Microsoft Certified Azure Administrator Associate (March 2019)
- LPI Certified Enterprise Professional Mixed Environment / LPIC-300 (Jun 2017)
- RHCE 7 (Dec 2016)