

Dean N'goma

Admin/DevOps

Looking for an exciting, engaged and challenging project !
I would prefer to focus on one role (as only SysAdmin, only DevOps, only Dev, than doing all at the same time).

 Barcelona, Spain



Remote preferred
open to hybrid



Freelance
permanent contract



ngomadean@gmail.com



deeanosaure



deanosareflex.me



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TECHNOS / SKILLS

CI/CD :

- Ansible
- GitLab CI / Github actions
- Jenkins
- Terraform
- Sonar, Sentry, semantic release
- Deploying : PHP (drupal/wp) Js (laravel,vite,nuxt ...), python, Ruby and all sort of stacks

Scripting : Bash, Python

Infra/Sys :

- Linux (Ubuntu, Debian, CentOs, AL2)
- Servers upgrade/maintenance
- Servers migration
- Troubleshooting incidents

Cloud :

- Scaleway
- AWS (EC2, ELB, Firewall, security groups, S3, RDS, SES, backup/restore)
- AZURE (Compute & LLMs as a service)
- OVH (servers/DNS administration)
- Hetzner (for my own servers)

System/Network :

- DNS administration
- Nginx, haproxy, certbot
- firewalls (ufw, firewallD, iptables), fail2ban, vault
- Troubleshooting incidents

Virtualisation :

- Docker, docker-compose, docker swarm
- Proxmox

Monitoring :

- Prometheus/Grafana/Node Exporter
- ELK + Filebeat
- CAdvisor, Uptime Kuma

DEV / AI (self thought) :

- Python / Flask / Streamlit / Selenium
- Langchain / Langgraph / Langsmith
- MaaS

PROFESSIONAL EXPERIENCE

SysAdmin/DevOps

Arneo, Mantu Group | February 2024 - Now, Spain



- For each new project I :
 - create the JIRA/Confluence spaces
 - initialise a gitlab repository
 - configure the CI/CD (tech stack + nginx + monitoring stack)
 - provision the servers and deploy
- Troubleshoot pipelines issues and application issues (more than 40% of my time)
- Driving the reorganisation and improvement of our technical documentation due to a heavy burden of legacy projects and lost knowledge
- Progressively applying best practices in terms of CI/CD (balance between the use of playbooks and shell scripts, conteneurisation..), renewing old and weak pipelines.
- Conduct servers maintenance for +15 clients (os upgrades/updates) on different platforms : OVH, proxmox, AWS, infomaniak...
- Set up Azure AI deployment via terraform
- Created an interactive sum up document of AI deployment costs depending on the MaaS for our new AI products
- Co-provision infrastructures given an architecture and a client requirements for example :
 - Ordering a dedicated Server on OVH
 - Install and configure proxmox hypervisor
 - Configure VMs for UAT, PREPROD and PROD envs
 - Provision the VMs with the relevant playbooks
 - Configure Networking with a jump server, access constraints and subnets

Therefore saving a considerable amount on hosting costs

- Administer Gitlab (3 instances), Confluence (2 instances) and Jira (2 instances)
- Working on a merge of 3 companies CI/CD infrastructures
- Administer VPN accesses
- Administer all SSH keys lifecycle and servers accesses using HashiCorp Vault
- Handle certificates renewal
- Documenting how to restore an EC2 instances and the associated service from a snapshot and or backups
- Regularly patching vulnerabilities raised by the security scans or by the clients (nginx, app versions ...)
- Leading Hardening server's security and audit following an incident where we lost the preprod database and couldn't find what happened

PROFESSIONAL EXPERIENCE

DevOps Engineer, RUN SRE

Société Generale for Devoteam S.A | January 2023 - December 2023, France



- Load balancing service for Openstack S.G. private cloud
- Lifecycle management of object deployment pipelines in a virtualized infrastructure (Jenkins/Ansible/VMware)
- Automation of supervision tasks (Python, API Prometheus/Grafana)
- Customer incident management, troubleshooting, ticketing (Unity, Mattermost)

DevOps Engineer, RUN SRE

BforBank for Devoteam S.A | November 2019 - December 2022, France



- Application industrialization and deployment (Atlassian/Bash/Ansible Tower Suite)
- Version upgrades of partner applications
- Incident manager, Linux servers
- Monitoring set-up (Dynatrace, Centreon)
- Production rollouts, on premise, AWS/GCP
- Green-IT project initiative

DevOps Intern

Natixis for Accenture Technology solutions | February - August 2019, France.



- Participation in building a DevOps pipeline
- Deployment on environments ranging from testing to production.
- Administration of Jboss servers.
- Management of 3 enterprise players for the implementation of a centralized authentication module.
- Writing tests in ALM

DIPLOMAS AND TRAINING

General engineering degree, 2019

Telecom Sud-Paris - Institut polytechnique de Paris Evry, France | 2016-2019

Certified CloudBees Jenkins Engineer, 2020



Red Hat certified specialist in advanced automation : ansible best practices, 2021



Certified Kubernetes Application Developer, 2023



PERSONAL PROJECTS

100 days of code

January 2024 - ongoing

- Learning python development with the famous Udemy course by Angela Yu
- Currently at Day 63 along with 63+ python projects including :
 - My portfolio website in development (flask, bootstrap, mySQL...)
 - A selenium tinder bot
 - An automated amazon price tracker
 - A bot supposed to get me an appointments at the police for doing my Spanish documents, resulting in my IP being blacklisted (hopefully I was using a VPN)
 - Some AI experiments

Denver the DevOps

June 2024 - ongoing

- I am creating a server linked AI that can act on my behalf responding to text prompt inputs. It's designed to help me manage my servers
- Server administration without writing a single line of code on a terminal
- It's currently deployed on a sandbox. Don't hesitate to send me a mail if you want to try it !

Real estate assistant

Freelance, July 2024 - ongoing

- As a freelance, I am working with 3 partners on an AI powered platform to help a real estate agent manage its properties and a community
- Positioning myself as lead DevOps/Dev. (1 DevOps, 2 backend and 1 frontend)
- Owner and developer of the AI agent. It is able to use APIs like google maps to give real time information and google trends for recommendations.