

# AMADOU LAROURA

DEVOPS / CLOUD / SITE RELIABILITY ENGINEER  
5 YEARS EXPERIENCE

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Toronto



## SKILLS

**AWS:** EC2, RDS, IAM, WAF, Route 53, Lambda, S3, VPC, ELB, ECS, EKS

**Azure:** Virtual machines, Resource groups, Active Directory, PowerShell, Monitor, Azure Database, Kubernetes Service, Container Instances

**OpenStack:** Neutron, Cinder, Nova, Swift, Glance, Heat, Keystone

**CI-CD:** Jenkins, Git, GitHub, GitLab

**Automation :** Ansible, Terraform, Rundeck, CloudFormation

**Monitoring:** Centreon, Nagios, Cloudwatch, Elasticsearch, Logstash, Kibana, Fluentd, Grafana

**Container:** Docker, Kubernetes

**Databases:** MySQL, PostgreSQL, MongoDB, Oracle, Oracle Golden Gate Maria DB, Aurora, RDS, DynamoDB

**Scripting:** Bash, Shell, Python

**Virtualisation / Hypervisors :** KVM, QEMU, VirtualBox, VMWare

**OS:** Centos/RedHat, Ubuntu, Debian, Amazon Linux, Windows Server

**Security:** OpenVPN, WAF, IAM

**WebApp:** Apache, Nginx, Unicorn, Flask

**Serverless:** Lambda, Serverless

**Repository Manager:** Artifactory, Nexus

**Project & Incidents Management:** Jira, Trello, Slack, Confluence

**Protocols:** SSH, FTP, SFTP

## PROFESSIONAL EXPERIENCE

**d1g1t Inc** | Cloud/DevOps Engineer | Toronto, Canada | April 2018 – July 12, 2019

**TECHNOLOGIES:** Amazon Web Services, Linux, Jenkins, Git, Nagios, Centreon, Rundeck, Cloudwatch, Jira, Confluence, Elasticsearch, Logstash, Grafana, Ansible, Shell, Bash, Python, ECS, Docker, Lambda, MongoDB, PostgreSQL, OpenVPN, Fluentd, CloudFormation

- Infrastructure-As-Code to recreate the entire infrastructure in case of failure
- Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, Firewalls, caches, and load balancers
- Manage Users, identities, Groups and Policies
- Install and manage Open Source VPN to allow users to access to the cloud from outside the office in a secure way
- Enhance security with Firewall, and manage resources access
- Manage resources utilization and consumption
- Implement Route tables, Access Control Lists, Firewalls, NAT, and DNS
- Understanding of architectural and design patterns
- Architect Large Scale Distributed Systems
- Scale-In/Scale-Out container instances/tasks based on metrics
- Build serverless architecture
- Comparing different consistency models
- Build cost effective architectures
- Manage RDBMS through cloud Database Services
- Execute various mode of backup, restoration and disaster recovery
- Ensure data integrity and data security, and implement authentication
- Provide guidance and best practices to users / maintain documentation
- Deliver stability, elasticity and scalability
- Deploy Infrastructure as a service using virtualization and automation tools
- Deploy and Manage Virtual machines
- Setup and manage network
- Manage cloud platform using command line management tools
- Manage instances images and disk backups
- Deploy enterprise applications in cloud platforms with security and reliability
- Use CDN service to make an application more cost efficient, faster and secure
- Maintain the entire infrastructure
- Monitor all cloud activity for optimal performance and troubleshooting
- Create and follow up support ticket to extend capacity or resolve issues
- Deploy new resources in the cloud using infrastructure-as-code
- Design and develop CI-CD pipelines
- Create promotion process to Manually/Automatically deploy environments
- Build highly automated infrastructure
- Container management and orchestration
- Design and deploy applications on container clusters
- Create scripts to predict, detect and automatically resolve a failure
- Centralize logs to easily troubleshoot
- Create monitoring dashboards
- Use a wide variety of opensource technology and cloud services

## EDUCATION

**EFREI Paris** – Engineer School in Information Technology (Master’s Degree), France

**Paris XIII University** – DUT Electrical, Electronic and Computing Engineering (Bachelor’s Degree), France

**Asia Pacific University of Technology & Innovation** (International Semester), Malaysia

## ABOUT ME

Bilingual French / English

Problem-Solving Ability

Culture of teamwork

Can Do attitude

Ability to quickly learn

Technology enthusiast

Ability to work independently

Ability to manage parallel work

Agile team-oriented environment

Passion for learning and evolving

Can work in a 24/7 environment

Participate in on-call rotation

Ability to meet deadlines

Fast-paced environment

## PROFESSIONAL EXPERIENCE CONTINUED

**Devoteam** | DevOps Engineer | Paris, France | September 2016 – April 2018

*TECHNOLOGIES*: Amazon Web Services, Ansible, Jenkins, Git, Linux, Windows Server, Shell, Bash, Oracle GoldenGate, Docker, MySQL, Artifactory, Nexus

- Design and develop CI-CD pipelines
- Automate build script used for multiple environment
- Create promotion process to Manually/Automatically deploy environments
- Set-up and automate regression tests using automation tools
- Create jobs to allows users to easily interact with resources
- Develop complexes process / easy to use by everyone in one button click
- Provision systems and services using automation tools
- Automate repeatable and event driven tasks
- Container management and orchestration
- Design and deploy applications on container clusters
- Proactively monitor all aspect of a platform
- Create monitoring dashboards
- Provide guidance and best practices to users / maintain documentation
- Planning and executing the ongoing transition of on promise service to cloud based services

**Atos** | System Engineer | Paris, France | September 2013 – September 2016

*TECHNOLOGIES*: Linux, Windows Server, Nagios, Centreon, KVM, Openstack, Ansible, Apache, Nginx, MySQL, VMWare

- Proactively monitor all aspect of a platform
- Manage reliability of critical infrastructure platforms
- Troubleshoot servers, applications, network, cloud issues
- Identify failure patterns to resolve problems at their root
- Create scripts to predict, detect and automatically resolve a failure
- Automate log rotation and disk purge
- Automate Databases dumps / restoration
- Create monitoring dashboards
- Create and document standardized process
- Ability to write scripts in multiple languages
- Ensure servers stay up-to-date with routine patch and update
- Operating System administration
- Provide guidance and best practices to users / maintain documentation
- Deploy Infrastructure as a service using virtualization and automation tools
- Deploy and Manage Virtual machines
- Setup and manage network
- Manage cloud platform using command line management tools

## CERTIFICATIONS

**AWS Certified Solution Architect – Associate**

Date: Mar 27, 2018 – Mar 27, 2021

**AWS Certified SysOps Administrator – Associate**

Date: Jan 12, 2019 – Jan 12, 2022

**AWS Certified Developer – Associate**

Date: Jan 12, 2019 – Jan 12, 2022