Moustapha Mbaye

System & DevOps Engineer

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Professional Summary

System and DevOps Engineer with 4+ years of experience managing Linux infrastructures, high-availability systems and enterprise IT environments. Strong background in automation, databases, networking and cloud■ready platforms. Proven experience in telecom and multinational contexts, with hands■on DevOps and backend development skills.

Technical Skills

- **Systems:** Linux (SUSE, Ubuntu), Windows Server 2019
- **DevOps & Automation:** Docker, Kubernetes, Ansible, Bash, Python
- **Databases:** PostgreSQL, SAP HANA, Elasticsearch
- **Networking & Security:** VLAN, VPN, Fortigate, Cisco Meraki, Unifi
- **Monitoring & Logs:** ELK Stack
- **Development:** Python (Flask, Django), Node.js
- **Virtualization:** VMware ESXi

Professional Experience

IT Manager — Camusat Senegal
Jul 2023 – Present

- Manage and secure enterprise IT infrastructure (servers, networks, VPN, firewalls).
- Lead digitalization projects (internal platforms, dashboards, automated reporting).
- Oversee IT operations, asset lifecycle, and service continuity.
- Interface with Group IT and manage Office 365 services.

System & Network Administrator — Africa Electronic Services
Jan 2022 – Jul 2023

- Administered Linux systems with High Availability (SUSE HA, clustering, replication).
- Managed PostgreSQL and SAP HANA databases.
- Built automation scripts (Python, Bash) to streamline operations and reduce manual workload.
- Deployed DevOps tooling (Docker, Ansible, Kubernetes, Nginx, ELK) to support delivery and observability.
- Managed network infrastructure (Cisco Meraki, VLAN, VPN).

Service Quality Engineering Intern — Sonatel Group
Apr 2021 – 7 months

- Built an automated QoS data collection and analysis workflow.
- Processed and analyzed telecom datasets (mobile data, voice, roaming).
- Developed web tools for performance visualization and customer■level analysis.

Key Projects

- **Financial Cash Management Platform** (Node.js, Sequelize): validation workflows, audit logs, exports, dashboards.
- **Inventory & Asset Management Platform** (React, Django): real■time stock tracking, barcode/QR, audit trails, ERP integration.
- **QoS Network Analytics Platform** (Flask/Django, Elasticsearch): data collection, parsing and visualization.

Education	Languages

- MSc (Master's) – Systems, Networks & Telecommunications, École Supérieure Polytechnique de Dakar (2021) - BSc (Licence) – Systems, Networks & Telecommunications, École Supérieure Polytechnique de Dakar (2019) - DST – Telecommunications & Networks, École Supérieure Polytechnique de Dakar (2018)	- French (Fluent) - English (Professional) - Wolof (Native)