

# Sekou M. Doumbouya

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## PROFESSIONAL SUMMARY

Senior Staff Cloud Systems Engineer and Technical Lead with 20+ years architecting scalable, reliable cloud infrastructure. Expertise in multi-region networking, disaster recovery, IaC, Kubernetes, and team leadership. Proven strategic leadership including Director of Network Operations—demonstrating technical depth and cross-functional influence.

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## CORE COMPETENCIES

### Cloud Architecture:

AWS (EC2, EKS, ECS, Glue, Kinesis), Oracle OCI, Kubernetes, HashiCorp Nomad/Consul, Kafka, Redis

### CI/CD:

Jenkins, GitLab CI, Spinnaker, GitHub Actions

### Observability:

Prometheus, Grafana, Nagios, ELK Stack

### Infrastructure Automation:

Terraform, Ansible, Chef, Puppet

### Containers & Virtualization:

Docker, Kubernetes, KVM, VMware ESXi, OpenStack

### Languages:

Bash, Python, Ruby, Golang

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## PROFESSIONAL EXPERIENCE

### Pinterest | Technical Lead – Senior Staff Cloud Systems Engineer

June 2021 – Present

- DRI for Multi-Region and Multi-Account initiatives, collaborating with Chief Architect and Engineering Leadership; advocated for Multi-Account architecture adoption influencing long-term infrastructure strategy.
- Architected Next Generation Network Architecture combining centralized connectivity with distributed control for scalable, secure multi-platform environments.
- Reduced annual networking costs from \$10M to \$0 by transitioning from Transit Gateway to direct VPC peering after comprehensive AZ balance and cost analysis.
- Founded and built the Cloud Architecture team, defining core pillars and strategic roadmaps; directly mentored 12–14 engineers.
- Established IaC standards and Terraform CI/CD pipelines, reducing deployment failures and enhancing operational consistency.
- Led cross-team educational workshops increasing internal engineering capability in cloud networking and IaC.

### Quip (Salesforce) | Technical Lead – Data Platform SRE / Site Reliability Engineer

April 2019 – June 2021

- Improved system reliability, increasing overall uptime by 15%; developed real-time clickstream analytics pipeline using AWS Kinesis, Lambda, and Athena.
- Automated AWS infrastructure using Terraform and Ansible; migrated applications to AWS ECS, reducing operational costs by 20%.
- Designed zero-downtime AMI image deployment process across AWS ECS Clusters.
- Created and maintained documentation of systems and processes; analyzed and resolved problems to ensure optimum availability.

### Oracle | Principal Systems Engineer

May 2016 – April 2019

- Developed and implemented CI/CD pipelines across major products of Oracle's Service Cloud division.
- Architected and deployed GitOps-based container deployment system for cloud-native systems; led Kubernetes security reviews.
- Authored Terraform modules for Oracle Cloud Infrastructure (OCI) deployments across multiple regions.
- Created framework for deploying on-demand microservices with HashiCorp Nomad and Consul Service Discovery.
- Implemented zero-downtime adaptive HA-Proxy load balancing using consul-templates.

### Groupon | Senior Systems Engineer

September 2014 – May 2016

- Lead Engineer on datacenter hardware ingestion, including CMDB, provision, and OS bootstrapping projects.
- Developed Docker-based provisioning solution to support microservices deployments with Jenkins and Ansible.
- Led Ansible configuration management adoption across the organization.
- Mentored system engineers in process automation, load balancing, and configuration management.

## **LiveOps** | Senior Systems Administrator

*April 2013 – September 2014*

- Lead System Administrator for automation, storage virtualization, and virtualization.
- Designed and implemented 600TB+ Netapp storage virtualization to support global platform.
- Implemented Cisco Nexus based storage networking providing 60Gbps per storage array.

## **Telvue Corporation** | Director of Network Operations

*January 2012 – April 2013*

- Directed network infrastructure upgrades for IPTV services, improving streaming performance and stability.
- Engineered KVM-based virtualization solutions, reducing infrastructure costs.
- Completed datacenter migration and redesign, aligning with business objectives.

## **Earlier Experience**

**Continuum Health Alliance** – UNIX System & Network Administrator (2008 – 2011)

**Jones New York** – Systems Engineer (2008)

**Sage Software** – Technical Analyst III (2005 – 2008)

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## **EDUCATION & PROFESSIONAL DEVELOPMENT**

**Penn State University**, Schuylkill Haven, PA – Attended 1999–2002

**Emerge Global Executive Leadership Program**, Ross School of Business, University of Michigan

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## **HONORS & COMMUNITY INVOLVEMENT**

- LiveOps Amsterdam Datacenter Creation Award
- AI with Friends – Co-host of weekly podcast breaking down complex technology topics through candid conversations and community engagement.
- /Dev/Color – Active mentor promoting diversity and inclusion in technology.