

# Sekou M. Doumbouya

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## PROFESSIONAL SUMMARY

Senior Staff Cloud Systems Engineer and Technical Lead with more than 20 years of in-depth experience architecting scalable, reliable, and cost-effective cloud infrastructure solutions. Expertise includes multi-region networking, disaster recovery, infrastructure-as-code (IaC), Kubernetes, automation, and team leadership. Proven track record in strategic leadership roles—including serving as Director of Network Operations—demonstrating strong leadership, technical depth, and cross-functional influence.

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## CORE COMPETENCIES

### Cloud Architecture:

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

### CI/CD:

Jenkins, GitLab CI, Spinnaker, GitHub Actions

### Infrastructure Automation:

Terraform, Ansible, Chef, Puppet

### Virtualization & Containerization:

Docker, Kubernetes, Xen, KVM, VMware ESXi, OpenNebula, OpenStack

### Monitoring & Observability:

Prometheus, Grafana, Nagios, ELK Stack, Circonus

### Languages:

Bash, Python, Ruby, Golang

### Areas of Expertise:

Technical Leadership & Documentation, Mentorship & Talent Development

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## PROFESSIONAL EXPERIENCE

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

June 2021 – Present

#### Strategic Leadership

- Served as the Directly Responsible Individual (DRI) for Pinterest's Multi-Region and Multi-Account initiatives, collaborating directly with the Chief Architect and Engineering Leadership.
- Successfully advocated for organizational adoption of a Multi-Account architecture, influencing Pinterest's long-term infrastructure strategy.
- Supported major Data Engineering initiatives, including Spark on EKS, facilitating transition to a robust Multi-Account environment.

#### Next Generation Network Architecture

- Architected Pinterest's Next Generation Network Architecture, enhancing infrastructure stability by combining centralized connectivity with distributed control mechanisms, supporting scalable, secure, multi-platform environments.

#### Infrastructure Optimization & Operational Efficiency

- Conducted comprehensive analysis on AZ balances and data transfer costs, transitioning from Transit Gateway to direct VPC peering, reducing annual networking costs from \$10 million to \$0.
- Established Infrastructure as Code (IaC) standards and Terraform CI/CD pipelines, enhancing operational safety, consistency, and reducing deployment failures.

#### Team Building & Mentorship

- Founded and built the Pinterest Cloud Architecture team, defining core pillars, team charter, and strategic roadmaps.
- Directly mentored 12–14 engineers, significantly contributing to professional growth and retention.
- Provided indirect mentorship across Security, Infrastructure Provisioning, and SRE teams.
- Led cross-team educational workshops increasing internal engineering capability in cloud networking and IaC.

## **Quip (Salesforce) | Technical Lead – Data Platform SRE**

*July 2020 – June 2021*

- Improved system reliability, increasing overall uptime by 15%.
- Developed real-time clickstream analytics pipeline using AWS Kinesis, Lambda, and Athena.

### **Site Reliability Engineer**

*April 2019 – July 2020*

- Automated AWS infrastructure using Terraform and Ansible, improving efficiency.
- Migrated applications to AWS ECS, reducing operational costs by 20%.
- Designed a zero downtime AML image deployment process across AWS ECS Clusters.

## **Oracle | Principal Systems Engineer**

*May 2016 – April 2019*

- Developed and implemented CI/CD development pipelines across major products of Oracle's Service Cloud division.
- Architected and deployed a GitOps based Container deployment system for Cloud native systems.
- Authored numerous Terraform modules used to deploy infrastructure across Oracle Cloud Infrastructure (OCI) regions.
- Created a framework for deploying on-demand microservices with HashiCorp Nomad and Consul Service Discovery.
- Implemented a zero-downtime, adaptive HA-Proxy load balancing layer using consul-templates.

## **Groupon | Senior Systems Engineer**

*September 2014 – May 2016*

- Lead Engineer on data centers hardware ingestion, including CMDB, datacenter provision, and OS bootstrapping.
- Developed a Docker-based provisioning solution to support microservices deployments with Jenkins and Ansible.
- Provided leadership in the adoption of Ansible configuration management across the organization.
- Mentored fellow system engineers to become subject matter experts in process automation and load balancing.

## **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 a data center 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 a weekly podcast breaking down complex technology topics through candid conversations and community engagement.
- /Dev/Color – Active mentor promoting diversity and inclusion in technology.