

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.

Core Competencies

- **Cloud Architecture:** AWS (EC2, EKS, ECS, Glue, Kinesis), Oracle OCI (OKE), Kubernetes, HashiCorp Nomad & Consul, Kafka, Redis
- **Infrastructure Automation:** Terraform, Ansible, Chef, Puppet
- **CI/CD:** Jenkins, GitLab CI, Spinnaker, GitHub Actions
- **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

Professional Experience

Pinterest | Technical Lead – Senior Staff Cloud Systems Engineer

June 2021 – Present

- **Strategic Leadership:**

- Served as the Directly Responsible Individual (DRI) for 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 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 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 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 Site Reliability Engineering (SRE) teams, enhancing cross-functional expertise.
- 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%.

Oracle | Principal Systems Engineer

May 2016 – April 2019

- Developed CI/CD platforms, accelerating release cycles by 40%.
- Architected GitOps-based container deployments and Kubernetes clusters.
- Laid foundational strategy for migration to cloud-native SaaS.

Groupon | Senior Systems Engineer

September 2014 – May 2016

- Led adoption of Ansible, significantly streamlining automation and deployment.
- Integrated Ansible with existing CI/CD tools, increasing operational efficiency.

LiveOps | Senior Systems Administrator

April 2013 – September 2014

- Led automation, virtualization, and storage initiatives; implemented Puppet and Foreman.
- Designed and managed 600TB+ NetApp storage virtualization solutions.

Telvue Corporation | Director of Network Operations

January 2012 – April 2013

- Directed network infrastructure upgrades for IPTV services, significantly improving streaming performance and stability.
- Engineered KVM-based virtualization solutions, reducing infrastructure costs.
- Managed multi-vendor network solutions (Juniper, Cisco, Extreme, Dell).

Education

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

Professional Development & Certifications

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

Honors & Awards

- LiveOps Amsterdam Datacenter Creation Award

Professional Affiliations & Community Involvement

- **AI with Friends** (aiwithfriends.io) – Co-host of a weekly podcast breaking down complex technology topics through candid conversations, public speaking, and community engagement.
- **/Dev/Color** (devcolor.org) – Active mentor promoting diversity and inclusion in technology.