Sekou M. Doumbouya

215-485-2959 | sdoumbouya81@gmail.com | San Leandro, CA
linkedin.com/in/sekoudoumbouya/ | github.com/fakoli

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
- **Area 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 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 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 Oracle's release cycles by 40%.
- Architected GitOps-based container deployments and Kubernetes clusters.
- Laid foundational strategy for Oracle's 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
- LivesOps Amstradam Datacenter Creation Award

Professional Affiliations & Community Involvement
- **AI with Friends (aiwithfriends.io)** - Co-Host of weekly podcast that breaks down complex topics in technology through candid conversations, public speaking, and community engagement.
- */Dev/Color(devcolor.org)* – Active mentor promoting diversity and inclusion in technology