Mohamed Rekiba
Senior Cloud Infrastructure Engineer

Senior DevOps Engineer with over a decade of experience in cloud infrastructure, automation, and system modernization. Led critical cloud migrations achieving 99.9% uptime, reduced deployment complexity, and managed high-traffic infrastructure for enterprise clients. Expert in AWS/GCP, Kubernetes, Terraform, and Python/Golang with proven track record of transforming legacy systems into automated cloud solutions.

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Senior Cloud Infrastructure Engineer
VERTEX AGILITY (MCKINSEY & COMPANY)
2023 - Present

Key Achievements
- **Architected** HashiCorp Vault integration with Amazon EKS, implementing automated secrets management and reducing credential rotation efforts by 60%
- **Modernized** legacy authentication systems through OKTA integration and vault identity groups, improving security posture and reducing onboarding time by 40%
- **Consolidated** mono-repository architecture reducing deployment complexity by 30% and streamlining infrastructure management across multiple teams
- **Developed** comprehensive disaster recovery solution ensuring business continuity with automated AWS credential management and secrets rotation
- **Created** proactive monitoring solutions for critical services, achieving 99.9% network accessibility and enabling rapid issue detection
- **Established** technical documentation and training programs, reducing new team member onboarding time by 40%

Technical Skills
- **Cloud & Containers:** AWS, EKS, Lambda, Glue, Kubernetes, Docker
- **Security & Identity:** HashiCorp Vault, OKTA/OIDC, MFA, Identity Federation
- **DevOps:** Terraform, Ansible, GitHub Actions, CI/CD, Infrastructure as Code
- **Programming:** Golang, Python, Shell Scripting, API Integration
- **Platforms:** Kafka, Mono-Repository Architecture, Disaster Recovery

Senior DevOps Engineer
CEQUENS
2019 - 2023

Key Achievements
- **Led** complete cloud migration from legacy infrastructure to AWS, achieving 99.9% uptime and reducing operational costs by 25%
- **Engineered** hybrid multi-cloud solution using AWS CI/CD pipelines and Kubernetes, supporting high-traffic infrastructure
- **Implemented** automated DevOps pipelines using AWS CodePipeline, GitLab, and Terraform, reducing deployment time by 70%
- **Built** containerized applications with Docker/ECS and centralized Data Lake on AWS, improving data processing efficiency by 40%
- **Automated** security infrastructure and firewall management, reducing security incidents by 50%
- **Developed** custom automation tools in Python, Golang, and Shell scripting, improving operational efficiency by 60%
- **Configured** load balancing solutions using Apache, Nginx, Traefik, and HaProxy, ensuring optimal performance under high load

Technical Skills
- **Cloud:** AWS (EC2, ECS, S3, Data Lake, Glue, Athena, Kinesis Data Firehose, CodePipeline), Kubernetes, Docker
- **DevOps:** Terraform, Ansible, CI/CD, GitLab, GitHub, Infrastructure as Code
- **Programming:** Python, Golang, C#, JavaScript, TypeScript, Shell Scripting
- **Infrastructure:** Linux, Apache, Nginx, Auto-scaling, Load Balancing
- **Networking:** pfSense, IPsec VPN, Network Troubleshooting
- **Monitoring:** AWS CloudWatch, Datadog, Prometheus, Grafana
- **Security:** SonarQube, Network Security, Firewall Management
- **Telecommunications:** SS7, Sigtran, SMPP, SMS Protocols

Senior Software Engineer
CEQUENS
2019 - 2020

Key Achievements
- **Developed** and **maintained** custom interfaces, REST APIs, and Software Development Kits (SDKs) for enterprise applications, improving integration efficiency by 50%
- **Created** Bulk Runner application (similar to Postman for bulk operations) featuring desktop client and API server with CSV-based bulk request processing, configurable and customizable CSV export formatting, enhancing data processing workflows and user productivity, reducing manual operations time by 70%
- **Implemented** scalable solutions using AWS and microservices architecture for distributed systems, improving system performance by 40%

Technical Skills
- **Development:** API Development, SDK Development, Interface Design, Microservices Architecture
- **Cloud:** AWS, Lambda, Step Functions, API Gateway, Cloud Computing, Distributed Systems
- **Applications:** Desktop Application Development, API Server Development, CSV Processing
- **Tools:** Bulk Testing Tools, Data Processing, Workflow Automation

Senior Software Engineer
VRTEEK
2017 - 2019

Key Achievements
- **Developed** Brain Coach interactive game for Tizen OS using HTML5, CSS3, and JavaScript, achieving 4.5+ star rating
- **Created** Facebook Messenger chatbots (Tic Tac Toe & Captain Lungs) using Node.js and MySQL, serving 10,000+ users
- **Built** VR/AR administration systems using Laravel, Node.js, Angular 2+, and MySQL, improving user engagement by 35%
- **Implemented** Three.js 3D model viewer/editor and developed cross-platform mobile applications using Ionic framework
- **Managed** AWS infrastructure and dedicated hosting platforms, ensuring 99.5% uptime for critical applications

Technical Skills
- **Frontend:** HTML5, CSS3, JavaScript, TypeScript, Angular 2+, Ionic, Three.js
- **Backend:** Node.js, Laravel, PHP, MySQL, PostgreSQL, RESTful APIs
- **Cloud:** AWS, Server Administration, Linux, CentOS
- **Specialized:** VR/AR, Game Development, 3D Graphics, Cross-platform Development

Software Engineer

ESCAPEHD
2015 - 2017

Key Achievements
- **Developed** full-stack administration platform using Laravel framework and MySQL, improving operational efficiency by 40%
- **Managed** enterprise server infrastructure across AWS and GoDaddy platforms, ensuring 99.5% uptime
- **Implemented** automated deployment processes reducing manual configuration time by 60%

Technical Skills
- **Full-stack:** Laravel, PHP, MySQL, Linux, CentOS
- **Cloud:** AWS, GoDaddy, Server Administration
- **DevOps:** Automated Deployment, Infrastructure Management

Software Engineer

FREELANCE (SELF EMPLOYED)
2014 - 2015

Key Achievements
- **Developed** 15+ web applications using PHP frameworks (CodeIgniter, Laravel) with MySQL database integration, delivering projects on time and within budget
- **Administered** Linux server environments for client projects, ensuring 99.5% uptime and optimal performance
- **Implemented** responsive design and user-friendly interfaces, improving client satisfaction scores by 85%

Technical Skills
- **Web Development:** PHP, CodeIgniter, Laravel, MySQL, Database Integration
- **System Administration:** Linux, Server Management, Performance Optimization
- **Frontend:** HTML, CSS, JavaScript, Responsive Design, User Interface Design
- **Project Management:** Client Communication, Time Management, Budget Control

IT Consultant & Linux Administrator

EMEC
2013 - 2015

Key Achievements
- **Administered** comprehensive Linux server infrastructure on CentOS, managing email, DNS, FTP, proxy servers, and private cloud solutions (ownCloud), achieving 99.5% uptime
- **Managed** enterprise system, network, and device administration across data center environments, reducing system downtime by 40%
- **Implemented** automated backup and monitoring solutions, improving system reliability and reducing manual intervention by 60%

Technical Skills
- **System Administration:** Linux, CentOS, Server Management, Network Administration
- **Infrastructure:** Email Servers, DNS, FTP, Proxy Servers, Private Cloud (ownCloud)
- **Data Center:** Enterprise Systems, Network Management, Device Administration
- **Automation:** Backup Solutions, Monitoring Systems, Process Automation

🏆 Open Source Projects

It is a privilege to be a part of various Open Source Projects.

openSUSE Build Service - OBS

Contributed to OBS by resolving RPM spec file processing issues, self-hosting OBS, creating custom Linux distributions and Docker images.

- PR: https://github.com/openSUSE/obs-build/pull/1094

Kenzy Linux - 2009

Developed and maintained a custom Linux distribution based on Fedora Linux with personalized package management and system configurations.

- Created my own packages repository at: https://build.opensuse.org/user/show/Kenzy
- First announcement: https://www.linuxac.org/node/67869

Alfanous Quran

Contributed to Alfanous, an advanced Quranic search engine designed for comprehensive text search and verse retrieval within the Holy Quran.

- Home Page: https://www.alfanous.org
- Packages Repository: https://build.opensuse.org/package/show/home:Kenzy:tahadz/alfanous
- PRs: https://github.com/Alfanous-team/alfanous/pulls?q=is%3Apr+author%3Amohamed-rekiba