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Language : French, English

Abdallah Diack

PROFESSIONAL SUMMARY

Results-driven **DevOps and Cloud Engineer** with hands-on experience designing, automating, and securing cloud infrastructure across AWS and hybrid environments. Proven ability to reduce cloud costs, automate deployments, strengthen security posture, and improve system reliability through Infrastructure as Code, CI/CD pipelines, and monitoring. Strong background in security operations, incident response, and vulnerability management, combined with solid software engineering fundamentals. Comfortable working in fast-paced, production-critical environments.

CORE SKILLS

- **Cloud & Platforms** : AWS, Azure, GCP, Linux/Unix, VMware, OpenShift, Rancher
- **Infrastructure as Code (IaC)** : Terraform, CloudFormation, OpenTofu, Ansible
- **DevOps & CI/CD**: Git, GitLab CI/CD, Jenkins, CircleCI, Bitbucket, ArgoCD
- **Containers & Orchestration** : Docker, Podman, Kubernetes
- **Programming & Scripting** : Python, Go, C/C++, JavaScript, TypeScript, Java, Bash
- **Databases** : PostgreSQL, MySQL, MongoDB, Oracle, Redis, SQLite, DynamoDB

PROFESSIONAL EXPERIENCE

Cloud developer

 Orange-Sonatel  Dakar, Senegal  Sept 2024 – Nov 2025  Full-Time

- Reduced cloud infrastructure costs by 45% by designing and implementing cost-optimization strategies (resource rightsizing, automation, usage analysis).
- Automated AWS infrastructure provisioning using Terraform, Ansible and Python, cutting manual deployment time by 60% and reducing configuration errors.
- Designed and delivered a self-service AWS EC2 provisioning platform, enabling multiple teams to deploy cloud and on-prem resources independently while enforcing security guardrails.
- Built and maintained CI/CD pipelines integrating automated testing, code quality checks, and security validations, improving deployment reliability and release speed.

Security analyst (Internship)

 Orange Business Services  Dakar, Senegal  May 2023 – Aug 2023  Full-Time

- Conducted vulnerability assessments and security risk analyses across enterprise systems using industry-standard frameworks and tools.
- Monitored infrastructure and applications via SIEM (QRadar & Elastic SIEM) platforms, detecting and responding to security incidents in real time.
- Investigated incidents end-to-end (detection, triage, remediation), helping reduce mean time to response (MTTR) by ~10%.
- Contributed to the development and enforcement of security policies, improving overall security posture and compliance.

Teaching assistant

🏢 Department of Computer Science – UQAM 📅 Sept 2022 – April 2024 📎 Part-time

- Supervised and evaluated 10+ student projects in embedded systems and software development.
- Led hands-on labs in programming, system administration, and networking, improving student engagement and success.
- Mentored students on software engineering best practices, debugging strategies, and project architecture, providing structured technical feedback.

Microsystems research assistant (Internship)

🏢 Quebec Strategic Microsystems Group 📅 May 2024 – Aug 2024 📎 Full-Time

- Performed computational fluid dynamics (CFD) simulations to analyze microfluidic behavior.
- Evaluated mixing efficiency under multiple flow conditions and material constraints.
- Optimized micro-mixer designs, contributing to improved performance in biomedical diagnostic applications.

EDUCATIONS

Certified cloud practitioner (CLF-C02)

🏢 Amazon Web Services 📅 Mars 2026

Bachelor's degree in computer and electronic systems

🏢 University of Quebec in Montreal 📍 Montreal, Quebec 📅 Jan 2021 – Sept 2024

High school diploma in science and technical drawing

🏢 Lycée Technique d'Industrie Delafosse 📍 Dakar, Senegal 📅 Oct 2017 – Sept 2020

AWARDS & SCHOLARSHIPS

Bourse d'etudes sans frontieres, section Quebec

🏢 University of Quebec in Montreal 📅 Nov 2023

Bourses pour la releve en telecommunication

🏢 Caisse d'économie Desjardins des employes en Telecommunication 📅 Jan 2022

VOLUNTEER EXPERIENCE

C++ Programming Tutor for Students with Disabilities

- Delivered personalized tutoring sessions, improving comprehension and exam readiness.
- Simplified complex concepts through structured explanations and adaptive teaching methods.