Abdallah Diack

Email : diackabdallah@gmail.com
Portfolio : www.abdallahdk.me
Language : French, English

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
- **Monitoring & Observability :** Prometheus, Grafana, ELK Stack, SonarQube
- **Security :** Incident Response, Vulnerability Assessment, Cloud Security Best Practices
- **Programming & Scripting :** Python, Go, C/C++, JavaScript, TypeScript, Java, Bash
- **Databases :** PostgreSQL, MySQL, MongoDB, Oracle, Redis, SQLite, DynamoDB
- **Testing & Quality :** pytest, JUnit, GTest, Robot Framework, Selenium

EDUCATIONS

Bachelor's Degree in Computer and Electronic Systems

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

College Diploma in Science and Technical Drawing

🏛 Lycee Technique d'Industrie Delafosse   📍 Dakar, Senegal   📅 Oct 2017 – Sept 2020

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 Pyhton, 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.
- Worked closely with infrastructure and cloud teams, gaining exposure to security challenges in hybrid and cloud environments.

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.

AWARDS & SCHOLARSHIPS

Bourse d'etudes sans frontieres, section Quebec

🏢 University of Quebec in Montreal   📅 Nov 2023

Bourses pour la releve en telecommunication

🏢 Caisse d'economie 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.