

Adam Boualleigue

Solutions Engineer | DevSecOps | Platform Integrations

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SUMMARY

I've spent **six years** as a platform engineer, mostly where clients and infrastructure meet.

I like the messy middle: understanding what someone actually needs, sketching a solution, and helping engineering, ops, and support get it live. That has meant discovery calls, integrations, migrations, onboarding workshops, and follow up until the team owns it.

Technically I work in **Kubernetes**, **Terraform**, GitOps, ERP and billing flows, email automation, and production hosting. Hypervisors, IaaS control planes, DNS, mail. I've run this in production, not just on slides.

Security is not a side quest for me. I built **SSDLC** and software supply-chain practices into real CI/CD at company scale: SCA, SAST, DAST, SBOMs, secrets detection, license checks, and centralized vulnerability reporting. When something ships, I care that it is secure and repeatable.

Arabic is my first language. I work comfortably in French and English, with engineers and with people who never touch a terminal.

I believe knowledge is meant to be shared, not locked in someone's head.

I keep a public 🔗 **knowledge base** 🔗 full of things I've learned and shipped at scale. One project I'm actively building out there is 🔗 **HostKid** 🔗: a hosting company handbook, documented as I go. Another is 🔗 **AIForge** 🔗: production AI infrastructure on Kubernetes, documented the same way.

DevSecOps habits run through all of it. Same person in the discovery call and in the pipeline.

EXPERIENCE

🔗 Full career timeline & certifications

Solution Architect & DevSecOps Consultant

RedOps Technologies | Sousse, Tunisia

Feb 2026 – Present

- Act as **client-facing solution architect** for a SaaS ERP platform (CRM, accounting, production, server management, **SMTP/email**, SSL, DevOps workflows).
- Lead **technical discovery**: qualify requirements, explain architecture and commercial value, and translate scope for engineering and operations teams.
- Design integration-oriented solutions across ERP, automation, and infrastructure; support demos, offer preparation, and onboarding discussions with prospects.
- Advise on secure hosting patterns, access control, email deliverability, certificates, and operational visibility for SMB customers.
- Bridge sales and engineering: turn product capabilities into clear outcomes around reliability, security, automation, and day-two operations.

Solution Architect & Automation Engineer

GreenCodes Digital Core (Self-employed) | Sousse, Tunisia

Feb 2025 – Jan 2026

- Designed **multi-tenant Kubernetes platforms** (Rancher, Longhorn, Velero, Argo CD) for **15+ client stacks** (PrestaShop, WordPress, Saleor, ERPNext) with repeatable onboarding and tenant isolation.
- Built **API-driven automation**: ERPNext integrations, WhatsApp order flows (WAHA + n8n), MCP assistant for sales/inventory queries; improved operational efficiency by **70%** across clients.
- Implemented secure public access (Cloudflare Tunnels, Nginx Proxy Manager) without inbound ports; production troubleshooting and client enablement.
- Delivered platform modernization (Bazel monorepo + SSDLC): **70% faster builds, 40% cloud cost savings** for e-commerce client.
- Experimented with **cyber deception** patterns (canary tokens, honeypots, T-Pot style labs) to study attacker behavior and tighten defensive awareness around exposed services.

SysOps & Platform Engineer

Proxym Group – IT Team | Sousse, Tunisia

Feb 2024 – Feb 2025

- Built 🔗 **ProxGen** 🔗 (Terraform + cloud-init) for Proxmox/vSphere: reduced VM provisioning from **30 min to ~5 min**; GitLab CI and centralized state for repeatable hosting-style capacity.
- Reduced full **banking platform deployment** from **2+ days to 1.5 hours** (ProxGen, Kubespray, Kubernetes operators); supported La Poste production resilience and DR.
- Hardened Kubernetes with Kubespray, Ansible roles, Rancher, Longhorn, Velero, and ECK for regulated production expectations.
- Delivered **knowledge-transfer workshops** with La Poste technical teams on Bankerise infrastructure and operations.
- Coordinated **ransomware incident response** (Akira): isolation, remediation, DNS hardening; restored business continuity within **24 hours**.

DevSecOps Engineer

Proxym Group – Technology Governance Office | Sousse, Tunisia

Oct 2021 – Feb 2024

- Led **DevSecOps governance and SSDLC** across a self-managed GitLab estate: **1,000+ projects, 150+ developers, 50+ downstream clients**, including banking and high-governance accounts.
- Built reusable GitLab CI templates across languages and containers, cutting copy-paste pipeline errors and speeding project onboarding.
- Wired **SCA, SAST, DAST, secrets detection, container/binary scanning, and license checks** into delivery: Dependency-Track, OWASP Dependency-Check, Nexus, SonarQube, Trivy, Gitleaks, OWASP ZAP, Burp Suite, DefectDojo, ArcherySec.
- Enforced secrets protection with Gitleaks (pre-commit + pre-receive); used Falco for runtime detection and OPA/admission control to block risky Kubernetes manifests.
- Helped evolve ArcherySec into an internal **ASOC-style** DAST and reporting hub so heavy scans left GitLab runners and findings stayed visible per project.
- **Key client deliveries:** La Poste Tunisienne (Bankerise), QIIB (OpenShift/GitOps), Diag IT (OVH to AWS EKS migration), DockerIOs (virtualized macOS CI runners on Proxmox).

SELECTED PROJECT DELIVERY

HostKid – Hosting Company Architecture Handbook

 Open documentation / portfolio

2025 – Present

- Public handbook documenting end-to-end **hosting provider architecture**: IaaS (Apache CloudStack/KVM), billing/ERP sync, portal/API boundaries, provisioning lifecycle, DNS/mail roadmap.
- Executive solution design and integration maps for sales, ops, and engineering alignment; same cross-team problem space as enterprise hosting providers.
-  Overview |  Stack rationale |  Architecture

AIForge – AI Platform on Kubernetes

 Open documentation / portfolio

2026 – Present

- Public handbook documenting an **internal developer platform for production AI**: model serving, RAG, multi tenancy, GitOps, observability, security, and cost, built and written up on a real cluster.
- Same cross-team problem space as an AI platform engineer: how a request becomes a served model, how tenants stay isolated, and how day two operations stay honest.
-  Overview |  Serving layer |  Control plane

Enterprise SSDLC & Software Supply Chain

Proxym Group – Technology Governance Office

2021 – 2024

- Company-wide secure delivery model: SBOM collection, Dependency-Track / Nexus risk mapping, SonarQube SAST and license visibility, Trivy container/binary scans.
- Centralized findings in DefectDojo and ArcherySec; faster developer feedback from commit to merge request instead of late-stage fire drills.
- Supported air-gapped and regulated client contexts where governance was not optional.

Bankerise Platform – DevOps & SysOps

La Poste Tunisienne (Proxym IT)

Jan 2024 – Jan 2025

- Led technical delivery for omnichannel digital banking with 15+ cross-functional members: CI/CD (GitLab), GitOps (Argo CD), production Kubernetes, Keycloak, Elasticsearch (ECK).
- Conducted **enablement workshops** with La Poste technical teams; guided mobile, frontend, and backend teams on workflow standards and production readiness.

Platform Migration – OVH to AWS EKS

Diag IT (Proxym IT)

2021 – 2025

- Owned full lifecycle modernization: GitLab CI/CD for web, Android, and iOS; legacy cleanup, DR, PostgreSQL optimization (PgBouncer), observability (Loki/Grafana).
- Architected and executed **cloud migration** from OVH to AWS EKS with Longhorn volumes, improving scalability and resilience.

OpenShift & GitOps Platform

Qatar International Islamic Bank (Proxym IT)

Oct 2023 – Jan 2024

- Hardened OpenShift for preprod/staging; introduced Argo CD and Sealed Secrets for auditable GitOps aligned with bank IT and security requirements.

DockerIOs – Virtualized macOS CI Runners

Proxym IT | Sousse, Tunisia

Mar 2022 – Jul 2022

- The team was hitting a scaling wall: GitLab iOS build jobs were growing, and physical Mac Mini runners were expensive and hard to scale. I proposed and led a project to run macOS as CI agents without buying more hardware.
- Designed virtualized macOS runners with **Docker-OSX** (QEMU-based macOS in Docker), deployed on high-spec **Proxmox** VMs so we could spin up many build environments from the same hypervisor stack we already operated.
- Wired the runners into **GitLab CI** so iOS pipelines used them transparently—no workflow change for developers, just more capacity when queues backed up.
- **Result:** removed the Mac Mini bottleneck; the team ran more concurrent iOS jobs and shipped faster by turning a hardware constraint into a virtualization and automation problem.

CLIENT-FACING & ADVISORY

- Worked with administrators, developers, managers, sales leads, and business decision-makers on the same thread: what to build, why it matters, how it stays secure in production.
- Led workshops on integration, architecture, secure deployment, and production readiness (French / English / Arabic).
- Supported sales with architecture explanations, technical offer inputs, objection handling, and demos without drowning anyone in jargon.
- Translated supply-chain risk, downtime, and remediation cost into language managers actually use for decisions.
- Stayed in the room during ugly production moments: incidents, urgent vulnerabilities, ransomware-style response, and the cleanup after.

MENTORSHIP & OPEN SOURCE

- **Client workshops** – Integration, architecture, and production-readiness sessions for La Poste Tunisienne and internal teams (French/English).
- **Student supervision (PFE/PFA)** – Guided 5+ **students** into DevOps roles (ASOC, Kubernetes APM).
- Internal sessions for developers on CI/CD efficiency, SAST/DAST, secure coding, and why security gates exist.
-  **ProxGen**  – Open-source Terraform VM provisioning for Proxmox/vSphere (~**80% faster provisioning**).
- Public  **knowledge base**  (Next.js / MDX): production architectures, GitOps, hardening notes, and the  **HostKid**  handbook and  **AIForge**  as a living portfolio.

CERTIFICATIONS & ACHIEVEMENTS

- **AWS Identity and Access Management (IAM)** – KodeKloud, Mar 2026
- **AWS Simple Storage Service (S3)** – KodeKloud, Feb 2026
- **AWS Cloud Practitioner (CLF-C02)** – KodeKloud, Jan 2026
- **Manage Kubernetes in Google Cloud** – Google, Jan 2026
- **Monitor Environments with Google Cloud Managed Service for Prometheus** – Google, Feb 2026
- **Test de connaissance du français (TCF) – Level C1** – France Éducation internationale, Jan 2020

Recognition:

- **Production Infrastructure Optimization** – Banking platform deployment: **2+ days to 1.5 hours** (Proxym IT, 2024)
- **DevSecOps Standardization** – SSDLC templates and AppSec practices across **1,000+ projects** (Proxym TGO, 2023)
- **Ransomware Incident Response** – Akira recovery within **24 hours**; DNS hardening and business continuity (Proxym IT, 2025)

EDUCATION

Engineering Degree in Computer Science International Multidisciplinary School of Sousse, Tunisia	2021 – 2025
Bachelor’s Degree in Electronics & Telecommunications National School of Electronics and Telecommunications, Sfax, Tunisia	2017 – 2019
Baccalaureate in Mathematics Lycée des Garçons, Sfax, Tunisia	2016

LANGUAGES

Arabic: Native
French: Professional; TCF C1 certified
English: Professional for technical, sales, and client-facing work

SKILLS

Solutions delivery: Requirements gathering, solution design, POC planning, migrations, onboarding, workshops, documentation, stakeholder communication (FR/EN/AR)

Integrations & APIs: REST APIs, webhooks, ERPNext/Frappe, GitLab CI, automation workflows (n8n)

Hosting & platform: VM provisioning (Terraform, cloud-init), Kubernetes, Proxmox, QEMU/Docker virtualization, IaaS/CloudStack concepts, DNS/mail platform design, VPS/shared hosting architecture

Cloud & infra: AWS (EKS, EC2, S3, IAM), Azure AKS, Proxmox, vSphere, Linux, Cloudflare

GitOps & IaC: Terraform, Ansible, Argo CD, Helm, GitLab CI/CD, GitHub Actions, Cloud-Init

AppSec & supply chain: SSDLC, SCA, SAST, DAST, SBOM, secrets detection, license governance, ASOC-style reporting; Dependency-Track, Nexus, SonarQube, Trivy, Gitleaks, OWASP ZAP, DefectDojo, ArcherySec

Runtime & policy: Falco, Open Policy Agent, Kubernetes admission control, Vault concepts

Observability: Prometheus, Grafana, Loki, OpenTelemetry, ELK (ECK)

Incident response: Production troubleshooting, ransomware-style containment, business-continuity support