

Abdelkrim BELLAGNECH

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Final-year Software Engineering student pursuing a dual engineering degree at ENSIBS and ENSET, focused on building reliable and secure software systems. Seeking a 2027 internship in DevOps, SRE, or Platform Engineering in France.

Education

ENSIBS - Engineering Degree, Software Engineering & Cybersecurity	2025 - 2027
ENSET Mohammedia - Engineering Degree, Software Engineering & Distributed Information Systems	2023 - 2027
ESTM - Associate Degree, Computer Science	2021 - 2023

Professional Experience

AI & Security Engineering Intern, BIAM CONSULTING - Paris	May 2026 - Aug 2026
• Engineered a containerized multi-service AI platform with RBAC, tenant isolation, capability-based authorization and auditable trust boundaries.	
Cybersecurity Engineering Project, ENSIBS x SOPRA STERIA - Rennes	Feb 2026 - May 2026
• Designed an EBIOS RM cyber-risk and attack-path analysis platform combining infrastructure modeling, threat intelligence and scenario generation.	
Software Engineering Intern, HAJJI ELECTRO - Selouane, Morocco	Jun 2024 - Sep 2024
• Developed a secure e-commerce administration platform, applying authentication, authorization and secure-by-design data exchanges.	

Projects

Tally - Crash-Safe Cloud-Native Ledger
• Building a crash-safe ledger with idempotent and concurrent transaction processing, designed to preserve consistency across failures and retries.
• Implementing a tamper-evident hash-chained event log with an independent verifier, and automating cloud infrastructure, container deployment and DevSecOps delivery with Terraform, Ansible, Kubernetes and GitLab CI/CD.
Escolis - DevSecOps Industrialization
• Implemented DevSecOps delivery across 4 K3s environments (sandbox, staging, preprod, prod), using Kubernetes GitLab Runners, namespace isolation, RBAC, Trivy CRITICAL image gates and API contract tests.
Azure Threat Simulation Lab
• Built a least-privilege Entra service-principal lab against Key Vault, ARM and Blob Storage; forwarded diagnostic logs to Log Analytics and validated KQL detections and configured and verified an end-to-end Azure Monitor scheduled alert -> e-mail action group detection path.
E-Bank - Reliability-focused Microservices - Docker, Kafka, Spring Boot
• Containerized 5 Spring Boot services plus Kafka and Angular with service discovery, health endpoints, gateway security and repeatable Docker Compose startup.

Technical Skills

Cloud & Platform: AWS, Azure, Linux, Docker, Kubernetes/K3s, Helm
Infrastructure as Code & CI/CD: Terraform, Ansible, Git, GitHub Actions, GitLab CI/CD, Jenkins, Argo CD
Observability & SRE: Prometheus, Grafana, OpenTelemetry, Jaeger, ELK, monitoring, alerting, distributed tracing
Networking & Security: TCP/IP, DNS, HTTP/HTTPS, TLS, Load Balancing, Reverse Proxies, IAM, RBAC, OAuth2/OIDC, SAST/DAST, Trivy, Container Security
Programming & Backend: Python, Go, Bash, Java, TypeScript, Spring Boot, Spring Security, FastAPI, REST APIs
Software Engineering: Data Structures, Algorithms, OOP, Concurrency, JUnit, Mockito, Pytest
Distributed Systems & Data: Microservices, Kafka, Event-Driven Architecture, gRPC, PostgreSQL, MySQL, MongoDB, Redis

Leadership & Volunteering

Leadership: President of ENSPEC (English Speakers Community) - Led language workshops and intercultural events for 100+ members (Oct. 2024 - Oct. 2025)
Volunteering: Coordinated a community beach clean-up initiative in Mohammedia (2023-2024)