

# Latif Abderrahmane

Morocco · Open to Remote & Relocation

Software Engineer · Cybersecurity Specialist · AI Systems Builder

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## PROFILE

Software Engineer and Cybersecurity Specialist with a dual background in offensive security and production-grade AI systems development. Experienced in architecting and shipping end-to-end solutions across diverse domains – including AI-powered SaaS platforms, enterprise SOC infrastructure, real-time network analysis systems, and LLM-integrated legal technology. Operates fluidly across the full engineering stack: crafting performant React/Next.js front-ends, engineering Python and Node.js back-ends, orchestrating containerized workloads on AWS and Azure, and conducting adversarial security assessments against production environments. Driven by a pragmatic, delivery-focused mindset: design systems that scale, automate what is repeatable, and harden everything that is exposed.

## EDUCATION

**Software Engineering Degree — Information Systems & Digital Transformation** | ESI Sep 2023 — Jul 2026 (Expected)

Rabat, Morocco

**Preparatory Classes — Mathematics & Physics (MP)** | Classes Préparatoires aux Grandes Ecoles Sep 2020 — Jul 2023

Agadir, Morocco

## PROFESSIONAL EXPERIENCE

**AI Legal Systems Developer (Freelance)** | Kateb.ma Dec 2025 — Apr 2026

Morocco — Remote

- Designed and delivered **Kateb.ma** from architecture to production: an LLM-powered legal intelligence platform purpose-built for Moroccan legal practitioners, providing sub-second case analysis, templated document generation, and semantic retrieval across national statute databases, appellate court rulings, and accumulated jurisprudence.
- Engineered a bilingual (Arabic/French) NLP pipeline leveraging transformer-based embeddings and vector search to surface contextually relevant legal precedents from heterogeneous corpora with high precision.
- Architected a multi-tenant SaaS backend encompassing OAuth2 authentication, tiered subscription billing, role-based access control, and a domain-specific UX calibrated to lawyers' document-heavy workflows.

**AI Software Developer (Internship)** | Sekera Jun 2025 — Aug 2025

Casablanca, Morocco

- Spearheaded development of a hybrid ML/rule-based engine for **email anomaly detection and digital forensics**, fusing header analysis, behavioral fingerprinting, and NLP-driven payload inspection to identify phishing, BEC, and weaponized attachment vectors at scale.
- Constructed end-to-end automated triage pipelines — from raw SMTP ingestion through threat classification, IOC extraction, and analyst notification — eliminating manual L1 processing on high-confidence detections and significantly reducing mean time to triage (MTTT).
- Delivered an analyst-facing dashboard with explainable AI scoring, confidence intervals, and one-click escalation paths integrated into the existing incident management workflow.

**VoIP Systems Engineer (Freelance)** | Extensia Jan 2025 — May 2025

Jordan — Remote

- Architected and implemented a **production-grade VoIP Traffic Capture & Analysis System** in Python (Scapy, PyShark, FFmpeg, SQLite), engineered to sustain continuous deep-packet inspection of high-volume enterprise telephony environments without packet loss.
- Implemented full SIP state-machine tracking — parsing INVITE, 200 OK, ACK, BYE, REFER, and re-INVITE sequences — enabling complete call lifecycle reconstruction and anomaly flagging on signaling deviations.
- Integrated FFmpeg transcoding for G.729 and Opus codecs, converting captured RTP payloads to WAV; persisted call metadata, participant records, and audio artifacts into a normalized SQLite schema with parallel CSV export for downstream analytics pipelines.
- Designed a multi-threaded capture daemon with structured logging, configurable retention policies, and threshold-based alerting, sustaining fault-tolerant operation across thousands of simultaneous concurrent sessions.

**SOC Analyst (Internship)** | Sekera Jun 2024 — Aug 2024

Casablanca, Morocco

- Designed and operationalized a fully functional **Security Operations Center lab**, provisioning log ingestion pipelines, custom detection rules, and correlation queries across **OpenSearch** and **Elastic SIEM** for both simulated and live threat scenarios.
- Developed an alert enrichment and automated triage framework using **Python** and **n8n** — integrating threat intelligence feeds, GeolIP resolution, and asset context lookup — cutting analyst time on repetitive L1 alert handling by over 60%.
- Executed end-to-end incident response lifecycle under the **NIST Cybersecurity Framework**: detection, evidence preservation, root-cause analysis, lateral movement tracing, containment, eradication, and structured post-incident reporting.

**Marketing Automation Engineer (Freelance)** | Qi Resonance Technologies LLC Feb 2024 — Apr 2024

USA — Remote

- Engineered **LLM-driven outreach automation** for Reddit and Quora: implementing context-aware response generation, subreddit/topic targeting heuristics, and anti-fingerprinting measures to sustain high-volume, platform-compliant engagement campaigns.
- Delivered measurable pipeline impact through automated lead qualification workflows and conversion tracking integrated with the client's CRM infrastructure.

## NOTABLE PROJECTS

**Indeel.io** [Next.js · OpenAI · Supabase · n8n · OCR · GraphQL]

AI-native recruitment platform engineered to eliminate manual overhead in enterprise hiring pipelines. Implements OCR-based resume parsing, structured LLM evaluation against configurable competency rubrics, and multi-stage automated screening workflows. Bias-mitigation logic is applied at the scoring layer to promote equitable candidate assessment. Real-time HR dashboards surface ranked shortlists, pipeline velocity metrics, and recruiter activity analytics.

### **BuildYour.stream** [Node.js · WebRTC · Custom Sports Data API · SDK]

Modular live-streaming infrastructure platform providing a unified API abstraction over heterogeneous sports data sources. Exposes SDKs for broadcast ingestion, DVR segment archiving, adaptive bitrate delivery, and monetization hooks (pay-per-view, subscription gates). Includes a no-code front-end builder for white-label branded streaming experiences, enabling non-technical operators to ship production-ready applications without custom development overhead.

### **Ecosphere — AI Social Intelligence Platform** [Next.js · Deepseek · OSINT · 15+ APIs · Real-time Pipelines]

Enterprise-grade brand intelligence and reputational risk platform delivering real-time content surveillance across 15+ social networks, news aggregators, and open-source intelligence sources. Applies transformer-based sentiment analysis, named entity recognition, and multi-signal OSINT verification to surface emerging threats before mainstream amplification — delivering severity-scored alerts with full evidence chains to PR and security stakeholders.

### **AI Red Team Pentest Assistant** [Next.js · Vercel Sandbox · AI Agent · Isolated Linux Runtime]

Full-stack adversarial security platform combining a sidebar LLM agent with a browser-native Linux terminal inside isolated Vercel Sandbox environments. Accepts a target (IP, domain, or CIDR range) and autonomously orchestrates reconnaissance, vulnerability discovery, and proof-of-concept exploitation chains — with all execution strictly sandboxed for safe, reproducible ethical hacking workflows and structured security training scenarios.

## TECHNICAL SKILLS

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**Languages** | Python, JavaScript / TypeScript (Node.js, Express), Java, C, C++, Bash, PowerShell

**AI & LLMs** | OpenAI API, Anthropic Claude, LangChain, vector databases, RAG pipelines, prompt engineering, agentic workflow design (Cursor, Kiro)

**Frontend** | React, Next.js, HTML5 / CSS3, Tailwind CSS, Bootstrap, REST, GraphQL, WebRTC

**Automation & CI/CD** | n8n, Tines, Zapier, GitHub Actions, Jenkins — end-to-end pipeline orchestration

**Offensive Security** | Penetration Testing, Vulnerability Research, Exploit Development, C2 Frameworks, SQLi, XSS, CSRF, SSRF, Burp Suite, Aircrack-NG, Kismet, Ettercap, Maltego

**SIEM & SOC** | Elastic Stack (ELK), OpenSearch, Splunk — rule authoring, correlation, NIST-aligned incident response

**Cloud & DevOps** | AWS, Azure, Docker, Kubernetes, Vercel — containerization, orchestration, IaC fundamentals

**Networking & Protocols** | Nmap, Wireshark, Cisco IOS, SIP / RTP / VoIP, Scapy, PyShark

**Operating Systems** | Kali Linux, Parrot OS, Arch Linux, Ubuntu / Debian — system administration & hardening

## CERTIFICATIONS

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- **Ethical Hacker** — Cisco Networking Academy
- **eJPTv1 Preparation** — Netriders Academy
- **CompTIA Security+ SY0-601 Preparation** — Netriders Academy
- **Certified Ethical Hacker Essentials (EHE)** — EC-Council
- **Penetration Testing, Incident Response & Forensics** — IBM
- **Malicious Document Analysis & Phishing Expert** — LetsDefend
- **Scientific Computing with Python** — freeCodeCamp

## COMPETITIONS & COMMUNITY

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**Cybersecurity Instructor** | Independent

2023

 Rabat, Morocco

- Designed and delivered a structured cybersecurity curriculum for engineering students, covering network security fundamentals, ethical hacking methodology, applied cryptography, and secure software development practices — with emphasis on hands-on lab exercises and real-world attack/defense scenarios.

### **Capture The Flag (CTF) Competitions — 2023**

- **ENSIAS CTF** — Ranked **7th** nationally; demonstrated advanced binary exploitation, reverse engineering, and forensics capabilities under competitive conditions.
- **INPT CTF** — Ranked **10th**; coordinated team-based red-team engagements spanning web exploitation, privilege escalation, and lateral movement challenges.
- **SecDojo CTF** — Ranked **10th**; excelled in remote problem-solving across cryptography, network analysis, and vulnerability research categories.

## LANGUAGES

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**Arabic** — Native / Bilingual | **English** — Professional Working Proficiency | **French** — Professional Working Proficiency