

Mohamed Mouloudj

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PROFESSIONAL SUMMARY

Security Analyst, Full Stack Developer and Project Manager with expertise in secure web/mobile development, network security monitoring, incident response, and SDN-based IDS research. Delivered production apps in React, Next.js, Node.js, Django, and Laravel. SC-200 Certified | CCNA.

WORK EXPERIENCE

Ericsson

Remote

Cybersecurity Engineer Intern

Mar 2026 – May 2026

- Deployed an SDN lab using Mininet and RYU Controller (OpenFlow 1.3) for programmable traffic analysis and security monitoring.
- Built an AI-powered anomaly-based IDS with ML threat detection; layered Suricata signature detection into a defense-in-depth architecture.

Excellesia GmbH

Switzerland (Remote)

Cybersecurity & Development Intern

Feb 2025 - Jul 2025

- Performed vulnerability assessments using Kali Linux, Burp Suite, Wazuh, Snort, and Nmap; documented critical misconfigurations and security gaps.
- Contributed to a multi-platform ERP (React, Express.js, DHTMLX) with OWASP secure coding; extended to mobile via Expo.js / React Native.

Algerian Tech Makers

Algiers, Algeria

Project Manager & Full Stack Developer

Feb 2025 - Present

- Lead multiple projects using Next.js, PostgreSQL, and Express.js; manage sprints, delivery, and CI/CD pipelines via GitHub Projects and Docker images.
- Enforce peer-review standards and Git best practices across a distributed team.

Manahej

Qatar (Remote)

Full Stack Developer (Freelance)

Oct 2025 - Nov 2025

- Built a full-featured e-commerce platform with Stripe payment processing, subscription lifecycle, and RESTful APIs using Express.js and React.

PROJECT EXPERIENCE

Badir - Community Initiatives Platform

Aug 2025 - Present

Full Stack Developer

PWA for geolocation-based initiative discovery. Stack: Next.js, Prisma, Postgres, Redis, Docker. 200+ active users.

Zidni - E-Learning Platform

Mar 2024 – May 2024

Frontend Developer & UI/UX

Interactive CS learning platform with quizzes and animations. Stack: React, Next.js, Firebase, MongoDB.

EDUCATION

USTHB - CS Engineering, Information Security Specialization

Algiers | Jun 2027

- Shellmates Club | CSE club | School of AI Club | OpenMinds Club | Hackathons

SKILLS & CERTIFICATIONS

Certifications: Microsoft SC-200 Security Operations Analyst | Cisco CCNA

Security & Networking: Kali Linux | Microsoft Defender XDR | Microsoft Sentinel | Burp Suite | Wazuh | Suricata | Snort | Nmap | Wireshark | IDS/IPS | SDN | OpenFlow | RYU | Mininet

Frontend: JavaScript | TypeScript | React | Next.js | React Native | Expo.js | Tailwind CSS | Redux | TanStack

Backend & Databases: Node.js | Express.js | Django | Laravel | Stripe | PostgreSQL | MongoDB | MySQL | Redis

DevOps & Tools: Docker | Kubernetes | Terraform | Nginx | Git | CI/CD | Linux | Vitest | Playwright | Agile/Scrum