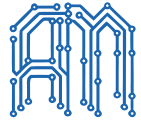


Adam Mila

Full-Stack Developer | Linux & Automation | Engineering Student

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SUMMARY

First-year Science & Technology student at the University of Béjaïa and self-taught full-stack developer with 3 years of programming experience and 4 years on Linux. Build production web platforms, automation tools, and command-line utilities across the TypeScript/React and Python/Bash stacks, with a focus on practical software that solves real problems.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Bash / Shell

Frameworks & Web: React, Next.js, Node.js, Tailwind CSS, REST APIs

Systems & DevOps: Linux, Git, Docker, CI/CD, PostgreSQL, Prisma, Firebase

Also: Network administration, computer hardware/software maintenance, cybersecurity fundamentals

EXPERIENCE

Full-Stack Software Developer — Freelance & Personal Projects 2023 – Present

- Design and ship production web apps and developer tools with React, Next.js, TypeScript, and Node.js; build automation scripts and CLI utilities in Python and Bash.

Hardware & Software Maintenance Technician — Independent 2022 – Present

- Diagnose and repair PC hardware, install and configure operating systems, administer Linux environments, and set up small networks.

PROJECTS

StAffichage V2 Next.js, TypeScript, Firebase Cloud Messaging, Railway

- Production rebuild of a university schedule and announcement tool: centralizes schedules and classroom/teacher search with real-time Firebase push notifications and an installable Android (WebView) app. Live at stbejaia.up.railway.app.

Forsati (EcoHack 2026) Next.js, TypeScript, Firebase, Cloud Firestore

- Team-built multilingual (Arabic, French, English, Kabyle) platform connecting Algerian youth to 68 ODEJ establishments in Béjaïa, with QR event ticketing, on-site check-in, and a local recommendation engine over a real dataset.

Moodle Notifier Python, Flask, BeautifulSoup, Firebase (FCM)

- Predecessor to StAffichage V2: a Flask daemon that scrapes the faculty Moodle board every 10 minutes, detects new posts via SHA-256 hashing, sanitizes untrusted HTML, and pushes real-time notifications.

S2 Grade Calc React, Vite, jsPDF, Recharts

- Coefficient-weighted semester grade calculator with PDF transcript export, browser auto-save, and a protected admin dashboard with statistics charts. Deployed on Vercel.

Links Scanner Bash, curl, openssl, REST APIs

- Command-line URL and domain scanner performing DNS, SSL certificate, WHOIS, and HTTP checks, with optional Google Safe Browsing and VirusTotal lookups for phishing and malware detection.

EDUCATION

University of Béjaïa — Science & Technology (ST), 1st Year 2025 – Present

Baccalaureate in Technical Mathematics — Electrical Engineering specialization 2025

LANGUAGES

Arabic — Native **French** — Professional Working Proficiency

English — Professional Working Proficiency **Kabyle** — Native

ACHIEVEMENTS & CERTIFICATES

- 1st Place, Mostaganem Hackathon 2026 — built an end-to-end software solution under competition time pressure.
- Participation Certificate, EcoHack 2026 (Origo Club) — contributed to the Forsati project.