RAYAN BENHABILES

Nîmes, France · French citizen
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Software Engineering Student · Full-stack & Data

Languages

- French
- English (EPITECH TOEIC 760)
- Arabic

Technical Skills

Languages: Rust, C, C++, Python, JavaScript, Dart, SQL

Back-end: Axum, Tokio, FastAPI, REST APIs, OAuth 2.0, JWT

Front-end & mobile: Flutter, React, Vite

Data & DevOps: Power BI, Excel VBA, PostgreSQL, Redis, Docker, GitHub Actions, Caddy, Linux, k6

Education

Epitech - Master's degree in Computer Science (Expert en technologies de l'information, Bac+5)
Toulouse, France · 2023 - 2028

Baccalauréat - Math & Physics
Lycée International Alexandre Dumas, Algiers · 2022

Interests

· Tennis
· Athletics
· Boxing

Final-year Epitech student who ships complete products end to end: Rust and Python back-ends, Flutter and React front-ends, automated data cleaning and Power BI dashboards. Designed, built and secured a full ticketing platform on my own. Looking for a full-stack (front-end / back-end) or data internship in Montréal from March to August 2028.

Projects

Tikiya - Event ticketing platform · Personal project, built solo
Dec 2025 - Present · Rust, Flutter, PostgreSQL
- Designed, built and secured the whole platform alone: REST API, mobile app and two web dashboards.
- Rust API (Axum, Tokio, SQLx) on PostgreSQL with JWT auth, Argon2 hashing and TOTP two-factor authentication.
- Integrated online payments (CIB / Edahabia via Chargily) with idempotent webhooks and QR-code e-tickets.
- Shipped a trilingual Flutter app (FR / EN / AR, right-to-left) and organizer dashboards with live sales stats.
- Hardened for production: Redis rate limiting, audit log, k6 load testing, Docker, Caddy, GitHub Actions CI.

Rust Operating System - Built from scratch
2026 - Present · Rust (no_std), x86_64 · Epitech end-of-studies project
- Building a bare-metal operating system from scratch in Rust for x86_64.
- Designing an adaptive scheduler that adjusts task scheduling to the system's workload.
- Kernel memory management built on Rust's ownership model for strong memory safety.

AREA - Automation platform (IFTTT-like)
2026 · Python, FastAPI, OAuth 2.0 · Epitech project
- Built a FastAPI back-end that chains actions and reactions across Gmail and Google Calendar.
- Implemented server-side Google OAuth 2.0, JWT auth and a scheduler running automations every 30 s.

Experience

Data Intern - Transitions Pro Occitanie
2024 · 1st-year internship · Excel VBA, Power BI
- Cleaned and standardized the organization's databases, then fully automated the cleaning with Excel VBA macros, saving the teams about one week of work per month.
- Built self-refreshing Power BI dashboards, giving teams always up-to-date indicators.

Freelance Web Developer - Crest Fighting Center, Helsinki
2026 · React, Framer Motion, Vite
- Designed and built a responsive showcase website for a 1,300 m² combat-sports gym.

Student jobs alongside my studies (2023-2026) at Quick, Auchan, Restaurant Heïta and STO Nîmes: teamwork and customer service in fast-paced environments.