

Chadlia El Amri

FULL-STACK SOFTWARE ENGINEER

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PROFILE

Full-Stack Software Engineer specializing in scalable web applications with React/Next.js frontends and FastAPI/NestJS backends. Proven experience in RESTful APIs, real-time features, database design, and cloud deployment with CI/CD pipelines. Seeking a full-time position to build robust, user-centric applications.

EDUCATION

Higher Institute of Applied Sciences and Technology of Sousse Sousse, Tunisia
National Engineering Degree in Software Engineering (With high honors) Sep. 2022 – Oct. 2025

Higher Institute of Applied Sciences and Technology of Sousse Sousse, Tunisia
Bachelor's Degree in Computer Systems Engineering (With honors) Sep. 2019 – Jul. 2022

EXPERIENCE

Software Engineer Intern Paris, France
Choose Feb. 2025 – Aug. 2025

- Replaced Google Sheets workflows with **custom web interface**, improving data reliability and system scalability.
- Built resilient **web scraping pipelines** with rotating proxies to extract and validate data from multiple sources.
- Developed automated workflows reducing manual errors by **70%** through intelligent validation and server-side checks.
- Deployed microservices on **GCP Cloud Run** with CI/CD pipelines, handling 1000+ daily requests.

Software Engineer Intern Sousse, Tunisia
LaTech Jul. 2023 – Sep. 2024

- Built full-stack RSS-to-video platform, processing feeds and generating video content with automated text-to-speech narration.
- Implemented web scraping to extract article content from dynamic JavaScript-rendered pages.
- Developed RESTful APIs implementing comprehensive error handling, validation, and authentication middleware.
- Conducted R&D on browser automation frameworks, performing cost/performance analysis of cloud vs. self-hosted solutions.

PROJECTS

ScrapLLM — *Python, Next.js, FastAPI, PostgreSQL, Redis, GraphQL*

- Developed full-stack web scraping platform with Next.js frontend and FastAPI backend for structured data extraction.
- Implemented **GraphQL API** and Redis caching layer reducing database load by **40%**.
- Built automated link discovery system and HTML cleaning pipelines for multi-page scraping workflows.

FoodSwap — *NestJS, React, PostgreSQL, Socket.io, Cloudinary*

- Built real-time meal-sharing application with **WebSocket communication**, improving engagement by **25%**.
- Integrated Cloudinary for optimized image storage and designed PostgreSQL schema with proper indexing.

IssatEdu — *React, Node.js, Express, MongoDB*

- Architected university management platform serving **500+ students** with role-based authentication (RBAC) for three user types.
- Built RESTful API with secure endpoints for grade management and scheduling, implementing JWT authentication and password hashing.
- Designed responsive React interface with dynamic routing and state management, reducing administrative workload.

SKILLS

Frontend : React, Next.js, TypeScript, JavaScript, HTML/CSS, Responsive Design

Backend : FastAPI, NestJS, Node.js, Express, Flask, RESTful APIs, GraphQL, Microservices

Databases : PostgreSQL, MongoDB, Redis, SQL optimization, Database design

Cloud & DevOps : GCP (Cloud Run), Docker, GitHub Actions, CI/CD, Git

Tools : Socket.io, WebSockets, Puppeteer, Selenium, BeautifulSoup, JWT, Cloudinary

Languages : Python, TypeScript, JavaScript, Java, SQL, Bash

LANGUAGES

Arabic : Native **English** : C1 **French** : B2