

Reda El Hadfi

Final-year Software Engineering student seeking a Research Assistant internship (PFE) to contribute to cutting-edge technology and enterprise software innovation.

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EDUCATION

National Institute of Posts and Telecommunications (INPT) Rabat, Morocco
Engineering Degree in Data and Software Engineering Aug 2022 – Expected 2026
Faculty of Sciences and Technologies Fes, Morocco
Diploma in Scientific and Technical University Studies (DEUST) Aug 2020 – May 2022

EXPERIENCE

Software Engineer (Freelance) June 2023 – Present
Self-Employed via Freelancer.com Global Clients

- Architected backend systems and REST APIs for 45+ projects using Python, Django, and Flask with PostgreSQL.
- Deployed scalable applications on AWS using Docker and CI/CD pipelines to enhance reliability and reduce deployment times.
- Achieved a 5.0-star rating across 46 reviews by delivering high-quality code and clear communication.

Data Scientist Intern July 2023 – Aug 2023
Experio Rabat, Morocco

- Engineered a CNN deep learning model to automatically extract tabular data from images and PDF documents and convert it into CSV format.
- Deployed the model into production, achieving 98% detection accuracy and reducing manual data entry workload by over 95%.

PROJECTS

AI-Powered Career Toolkit Platform May 2024 – Present
React, Django REST Framework, OpenAI API, JWT, Docker, AWS

- Architected a full-stack career platform using Django and React to generate AI-powered resumes and provide interview preparation.
- Implemented JWT authentication, containerized the application with Docker, and deployed on AWS for scalability.

Kowabunga Studios - AEC Token & Usage Dashboard Jan 2024 – Mar 2024
Next.js, Firebase, Stripe, Vercel

- Developed a dashboard to track token usage from a C# Revit Add-In, featuring role-based access for users and admins.
- Engineered user authentication with **Firebase**, integrated **Stripe** for payments, and created dynamic productivity visualizations.
- Deployed the full-stack application on **Vercel** for a scalable and performant user experience.

Intelligent Video Analysis Platform Mar 2024 – May 2024
Django, Next.js, AWS Rekognition, EC2, S3, SNS

- Architected a freelance cloud-native video analysis platform designed to process large video files asynchronously, delivering detailed facial and object recognition analysis to users in near real-time.

Distributed Real-Time Voting System Sep 2023 – Dec 2023
Java, Kafka, React, Docker

- Engineered a fault-tolerant, distributed backend capable of processing thousands of votes per second. Utilized **Kafka** for real-time data streaming to a live-updating **React** dashboard.

TECHNICAL SKILLS

Languages	Python, Java, JavaScript, SQL, C++
Backend	Django, Flask, Node.js, REST APIs, Kafka
Frontend	React, Next.js, Angular, HTML/CSS
Cloud & DevOps	AWS (EC2, S3, SNS, Rekognition), Docker, CI/CD, Git
Databases	PostgreSQL, MySQL, SQLite, mongo

LANGUAGES

English: Fluent **French:** Proficient **Arabic:** Native