

# YOUSSEF ASERRAR

## Engineering Manager · Full Stack & Mobile Developer

TypeScript · React · React Native · Next.js · Node.js · Python · Django · Cloud · Team leadership

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### PROFESSIONAL SUMMARY

Engineering Manager and Full Stack & Mobile Developer with **5 years of experience** designing, building and shipping web and mobile applications end to end: UI/UX, frontend, REST APIs, databases and cloud deployment. Currently leading engineering teams at Appstronauta, a French web & mobile development agency, after two years owning the full software lifecycle at Nutritech Agro. Holder of a **Master's degree in Big Data & Cloud Computing**. Deep expertise in the **TypeScript / React / React Native / Next.js** and **Python / Django** ecosystems, with hands-on cloud infrastructure (AWS, Azure, DigitalOcean, Docker) and applied Machine Learning / NLP.

### TECHNICAL SKILLS

|                      |                                                                                                                                                                        |                                 |                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------|
| <b>Languages</b>     | TypeScript, JavaScript, Python, Java, PHP, C / C++, R, SQL                                                                                                             | <b>Frontend</b>                 | React, Next.js, Tailwind CSS, Material UI, Redux, TanStack Query, HTML5, CSS3              |
| <b>Mobile</b>        | React Native, Expo                                                                                                                                                     | <b>Backend</b>                  | Node.js, Express, Fastify, Django, Django REST Framework, Spring, Prisma, REST APIs        |
| <b>Databases</b>     | PostgreSQL, MySQL, SQL Server, SQLite, Redis                                                                                                                           | <b>Cloud &amp; DevOps</b>       | AWS, Azure, DigitalOcean, Vercel, Docker, Nginx, Traefik, Linux, Git, GitHub               |
| <b>Data &amp; AI</b> | Machine Learning, Deep Learning, NLP, Computer Vision, PyTorch, TensorFlow, Keras, Scikit-learn, Hugging Face, LangChain, OpenAI API, Pandas, NumPy, Power BI, Tableau | <b>Management &amp; Methods</b> | Team leadership, project management, Agile / Scrum, code review, UML, Merise, UI/UX design |

### PROFESSIONAL EXPERIENCE

#### Engineering Manager — Appstronauta (web & mobile development agency) Feb 2026 – Present

Marseille, France · Remote · Full-time

- Manage engineering teams delivering custom web and mobile applications for the agency's clients, from project scoping and architecture to QA, release and maintenance.
- Define technical standards and review code across React, React Native and Next.js / Node.js projects to ensure quality, performance and maintainability.
- Plan sprints, allocate developers across parallel projects and track delivery against client commitments.
- Act as the technical point of contact for clients and product stakeholders, translating business needs into technical solutions.

**Tech :** TypeScript, React, React Native, Expo, Next.js, Node.js, PostgreSQL, Docker, CI/CD, Agile / Scrum

#### Full Stack & Mobile Developer · Development Lead — Nutritech Agro Jan 2024 – Feb 2026

Mohammedia, Morocco · On-site · Full-time

- Led the company's software development and coordinated its IT projects across the full lifecycle: requirements, design, development, deployment and maintenance.
- Designed, built and shipped the company's web and mobile applications (React, React Native / Expo, TypeScript, Django REST Framework, PostgreSQL, SQL Server).
- Designed the UI/UX of every application to improve usability and adoption by business teams.
- Owned database administration (PostgreSQL, SQL Server), hosting, deployment and production rollout.

**Tech :** TypeScript, React, React Native, Expo, Python, Django, Django REST Framework, PostgreSQL, SQL Server, Tailwind CSS

#### Full Stack Developer (Freelance) — Afriqualeos (QSE consulting firm) Oct 2021 – Oct 2023

Casablanca, Morocco · Hybrid

- Owned the full lifecycle of Qualeos, a web and mobile QSE (Quality, Safety, Environment) management system, and a risk management platform: design, development, maintenance, database administration and deployment.
- Built frontend web and mobile applications with React and React Native, and backend REST APIs with Django / Django REST Framework, Spring, Express and Next.js.
- Designed, implemented and managed PostgreSQL and MySQL databases; optimized performance and security and produced thorough technical documentation.
- Deployed and hosted the solutions in production.

**Tech :** JavaScript, React, React Native, Python, Django, Django REST Framework, Spring, Express, PostgreSQL, MySQL

## Casablanca, Morocco

## Casablanca, Morocco

- Developed and tested a Natural Language Processing (NLP) model that extracts common topics from customer feedback and classifies it, using Machine Learning and Deep Learning (Python, PyTorch, Transformers).
- Built two internal platforms for the Compliance department, audit management and risk management, replacing Excel-based workflows (PHP, JavaScript, Bootstrap, MySQL).

**Tech :** Python, NLP, Transformers, PyTorch, Streamlit, PHP, MySQL

## EDUCATION

## 2021 – 2023

Faculty of Sciences Ain Chock, Hassan II University of Casablanca

## 2018 – 2021

Hassan II University of Casablanca

## 2018

### Scientific track

## LANGUAGES

## INTERESTS

**Arabic** · Native      **French** · Professional proficiency

Fitness, video editing, music, gaming

English · Professional proficiency