

# Nassim NABI | Software Engineer

Tunis – Tunisia

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## Professional Summary

Full-Stack Software Engineer with 4 years of experience in modern web technologies and scalable architecture. Expertise in React, TypeScript, Node.js. Proven track record in frontend modernization, real-time systems, and mentoring developers.

## Professional Experience

### Hexagone SAS

Tunis, Tunisia

#### Frontend Developer

Sep 2023–Present

- Develop and maintain web application features using React.js, TypeScript, jQuery, and Vanilla JavaScript
- Migrated legacy TWIG templates to React.js, improving scalability and code maintainability
- Mentor junior developers and conduct code reviews to maintain quality standards
- Customize open-source projects (Spectrum, GrapesJS, CKEditor) to meet business requirements

### Olacube

Tunis, Tunisia

#### Full-Stack Developer

Aug 2022–Mar 2023

- Developed ERP system for maintenance company, streamlining workflow and increasing efficiency by 40%
- Implemented secure authentication and role-based access control for data protection
- Created intuitive interface for task management, scheduling, and team communication
- Established CI/CD pipelines using Docker to automate testing and deployment

### ODAS Services

Tunis, Tunisia

#### Full-Stack Developer

Feb 2022–Aug 2022

- Architected microservices-based application using React.js, Node.js, and NestJS
- Designed database schemas and built RESTful APIs with PostgreSQL and MongoDB
- Developed real-time chat system with WebSockets and WebRTC for video communication
- Applied Test-Driven Development methodology to ensure code quality and reliability

## Technical Skills

**Languages:** JavaScript, TypeScript, SQL, HTML5, CSS3

**Frontend:** React.js, Angular, jQuery, Redux, React Hooks, Responsive Design

**Backend:** Node.js, Express.js, NestJS, RESTful APIs, Microservices

**Databases:** PostgreSQL, MongoDB, Redis, Mongoose

**DevOps & Tools:** Docker, Docker Compose, Git, JIRA, Swagger, RabbitMQ

**Testing:** Mocha, Chai, Test-Driven Development (TDD), Unit Testing

**Real-Time:** WebSockets, WebRTC, Socket.io

**Libraries:** GrapesJS, CKEditor, Spectrum, Twilio, Quickblox

**Methodologies:** Agile/Scrum, Microservices Architecture, CI/CD, Code Review

## Education

### École Nationale des Ingénieurs de Sousse (ENISO)

Sousse, Tunisia

*Diplôme d'Ingénieur en Informatique (Engineering Degree in Computer Science)*

2018–2021

Advanced Algorithms, Computer Vision, Object-Oriented Programming, Optimization Techniques

### Institut Préparatoire des Ingénieurs de Monastir

Monastir, Tunisia

*Classes Préparatoires aux Études d'Ingénieur (Preparatory Classes)*

2016–2018

Linear Algebra, Advanced Calculus, Statistics and Probability

## Languages

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Arabic:	Native	<i>Mother tongue</i>
French:	Fluent	<i>Professional working proficiency (C1)</i>
English:	Advanced	<i>Professional working proficiency (B2/C1)</i>

## Notable Projects

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**ERP System:** Complete ERP solution with task management, scheduling, RBAC, and real-time collaboration (Angular, Node.js)

**Real-Time Chat:** Enterprise chat with WebRTC video calling, WebSocket messaging, and push notifications

**TWIG to React Migration:** Led frontend modernization converting legacy templates to React.js components

## Additional Information

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**Leadership:** IEEE ENISo Student Branch (2019-2021): Organized regional and national technical events

**Volunteering:** NEOS Association: Marketing & Communications Lead, organized leadership workshops and humanitarian aid convoys

**Status:** Tunisian citizen, open to EU relocation with visa sponsorship

**Interests:** playing piano, football, camping, open source contribution