

Yasser MELKI

Software Engineer

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PROFILE

Information Systems and Web graduate from ESI with experience in full-stack development using React and Node.js. Strong problem-solving skills with a focus on building efficient, user-centered applications. Adaptable, fast learner, and comfortable working both independently and in collaborative agile teams.

EXPERIENCIA PROFESIONAL

Frontend Developer Intern

EOAT / PRHB, M'sila, Algeria | September 2021 – November 2021

Designed and developed a responsive company website to present services and improve online visibility in the construction sector.

- Built a frontend web application for internal staff management, including interfaces for employees, assignments, and basic administrative operations.
- Worked mainly on frontend development, with basic backend exposure using Java Spring Boot for simple API integration and data handling under supervision.

Software Engineering Intern

INRIA Lille – France | March 2024 – September 2024

Developed an automated book validation tool for Microdown documentation within the Pharo ecosystem to ensure structural and semantic correctness of technical documents.

- Implemented validation for missing files, cyclic references, anchor issues, and code inconsistencies
- Designed and applied design patterns (Visitor, Strategy) to improve modularity and scalability
- Used Test-Driven Development (TDD) to ensure reliability and correctness of the validation system

Full Stack Developer (React / Node.js)

CreaTech, Algiers, Algeria | November 2024 – February 2026

Worked as part of a development team in a digital agency delivering web applications for multiple clients, contributing to both frontend and backend features.

- Designed and developed responsive React-based user interfaces with a focus on component reusability, performance, and maintainability
- Built and integrated REST APIs using Node.js and Express.js for core application features
- Contributed to architectural decisions, feature planning, and code reviews, improving overall code quality, stability, and development best practices within the team

EDUCATION

Lycée Chérif Mohamed Ben Chabira, Bou Saâda, Algeria

Algerian Baccalaureate (Mathematics track) | 2018

Higher School of Computer Science (ESI), Sidi Bel Abbès, Algeria

Master's Degree in Information Systems and Web (SIW) | 2018 – 2024

SKILLS

- **Frontend:** React, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind
- **Backend:** Node.js, Express.js, REST APIs, SQL (PostgreSQL/MySQL), MongoDB
- **Tools:** Git, GitHub/GitLab, Postman, Agile/Scrum, basic CI/CD understanding

LANGUAGES

- English: C1
- German: A1
- French: B2
- Arabic: Native