

ELMOUATASSIM KHELOUATI

Software Engineer

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LINKS

[GitHub](#) , [LinkedIn](#)

PROFILE

Software Engineer with almost 8 years of experience, specializing in *JavaScript*, *TypeScript*, and modern frameworks like *React*, with strong knowledge of *Node.js*. Expert in building responsive, maintainable, and high-performance user interfaces using software engineering best practices, design patterns, and algorithmic thinking. Passionate about creating exceptional user experiences and collaborating across teams, enjoying knowledge exchange, learning from others, and contributing to a positive and growth-oriented environment.

EMPLOYMENT HISTORY

❖ Front-end Developer, GAC Software

Dec 2023 — Present

Rebuilt and enhanced the front-end of **GAC RES** (<https://www.gac-res.com>), a SaaS platform for corporate real estate management providing dashboards, lease tracking, occupant management, energy monitoring, cost analysis, and strategic KPIs. Focused on delivering high-performance, responsive, and intuitive user interfaces while ensuring high design fidelity and user-centric experiences.

Key Contributions:

- Developed and optimized interactive interfaces using **React** , **TypeScript** , **Vite** , and **React Query** , ensuring fast load times and smooth user experiences.
- Implemented new features and enhanced existing ones, applying modern front-end architecture and performance optimization techniques, with a strong emphasis on **SOLID** principles.
- Collaborated closely with UX/UI designers to translate visual concepts into functional, accessible, and responsive components on all devices.
- Contributed to a custom UI component library (**gac-ui**) built with **Lit-dev** and **Web Components** .
- Ensured consistent code quality through regular code reviews and continuous performance improvements.
- Set up and maintained unit tests with **Vitest** , improving code reliability and preventing regressions.
- Participated in Agile ceremonies and worked with business stakeholders to align technical solutions with product requirements.
- Integrated **GitLab CI/CD** pipelines to automate testing and deployment workflows.

Tech Stack: React 19.2, TypeScript 5.9, Vite 6, TanStack React Query, Lit-dev, Web Components, Vitest 3, GitLab CI/CD, Symfony (PHP 8.2), Docker.

❖ Front-End Developer , Kepler Technologies (Client: Triangle RH)

Jan 2023 — Oct 2023

Worked on software solutions for Triangle RH, contributing to their Store RH platform (<https://triangle-storerh.com>), a tool designed to streamline job discovery and career exploration.

- Developed front-end features with **Next.js** , **React** , and **TypeScript** , delivering responsive and user-friendly web interfaces.
- Translated design mockups into clean, adaptive, and accessible web layouts.
- Leveraged TDD and automated testing to support continuous integration/delivery workflows.
- Conducted code reviews and maintained high standards of code quality.
- Performed feature development, bug fixes, and ongoing maintenance.

- Managed CI/CD pipelines using **GitHub Actions** , with deployment on **AWS EC2** .
- Collaborated with business teams to align technical output with product goals and user needs.

Tech Stack: Next.js 13, React 18, TypeScript 5.9, Node.js , Express, Docker, GitHub Actions, AWS EC2.

❖ Software Engineer, Dig & IT

Sep 2021 — Jan 2023

Developed innovative solutions for optical fiber management projects including R-Trav and SONIC-SIG, serving clients such as Orange France and LA SADE France.

Key Contributions:

- Designed projects and specifications based on client requirements.
- Developed reusable components using React and Express.js.
- Integrated RESTful APIs and implemented unit tests.
- Applied modern CSS and TailwindCSS for responsive designs.
- Performed code reviews and maintenance tasks (feature additions, bug fixes).
- Automated deployment using CI/CD pipelines.

Tech Stack: JavaScript, TypeScript, React, Node.js, Express.js, Docker.

❖ Researcher & Software Developer, SalesPro Consulting LTD

Apr 2020 — Sep 2021

Developed cybersecurity solutions to secure shared content and prevent unauthorized screen captures. Managed development, testing, deployment, and maintenance to ensure reliable, secure software.

Tech Stack: JavaScript, React, Node.js, Express.js, Python

❖ Développeur front-end, Lean Technology

Aug 2018 — Apr 2020

Contributed to the development of Elabina, an ERP system designed to optimize construction site management by improving workflow efficiency and resource planning.

Key Contributions:

- Developed responsive web interfaces.
- Collaborated with designers to implement UI/UX features, enhancing user satisfaction
- Optimized existing codebase, reducing errors and improving maintainability
- Integrated APIs to ensure data consistency across platforms
- Participated in code reviews, fostering a culture of continuous improvement

Tech Stack: Typescript, HTML, CSS, Java, Spring boot, Angular, Angular Material.

EDUCATION

❖ Oran University of Science and Technology - Mohamed Boudiaf

Sep 2016 — Jun 2018

Master's degree in Computer Science, Information Systems and Data

❖ Oran University of Science and Technology - Mohamed Boudiaf

Sep 2013 — Jun 2016

Bachelor's degree in Computer Science

SKILLS

Algorithmics	<i>Advanced</i>	JavaScript	<i>Advanced</i>
TypeScript	<i>Advanced</i>	React	<i>Advanced</i>
Next.js	<i>Advanced</i>	Node.js	<i>Advanced</i>
HTML5/CSS3	<i>Advanced</i>		

LANGUAGES

Arabe	<i>Native speaker</i>	English (Professional)	<i>Highly proficient</i>
French (Professional)	<i>Highly proficient</i>	Spanish	<i>Intermediate</i>

VOLUNTEERING

❖ Member & Instructor

Sep 2016 — Present

Association El-kheldounia

Contributed to educational programs for children and college students, promoting coding skills and digital literacy.

Key Contributions:

- **Create Your Web Application:** Co-instructed web development workshops for CS students, teaching HTML, CSS, and JavaScript, and guiding participants to build their own basic web applications.
- **Scratch for Kids:** Facilitated interactive coding sessions for children under 16, introducing foundational algorithms and enabling creation of interactive games to foster creativity and problem-solving.
- Maintained an engaging learning environment to inspire interest in technology and support skill development.

❖ RSE – Pillar Leader

Sep 2024 — Present

GAC Software

Led efforts to promote human-centered values within the organization, focusing on inclusion, well-being, and solidarity. Coordinated team discussions, facilitated workshops, and encouraged actionable contributions to foster a respectful and supportive workplace.

CENTER OF INTEREST

❖ Technology

Blockchain, Artificial intelligence, quantum computing.

❖ Hobbies

Martial Arts, Poetry, Music, Philosophy, Football, Chess.