

# Idris Walid AmeurLain

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## SKILLS

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**Languages:** Javascript, Typescript, Php, HTML, CSS, SQL, Bash.

**Technologies:** React, NextJs, Tailwind CSS, NodeJs, NestJs, ExpressJs, Laravel, Docker, Kubernetes, Git, Expo, GitHub, Oracle, MySQL, PostgreSQL, MongoDB, Firebase, Redis, Web Sockets, Apollo, AWS, Jenkins.

**Concepts:** Full Stack Development, Agile, RESTful APIs, GraphQL, Microservices Architecture, MVC, Object-Oriented Programming, JWT, OAuth, SSR, TDD, Problem solving, Testing, CI/CD.

## EXPERIENCE

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**Software engineer Intern**                      **Sonatrach | Hydra, Algeria**                      Feb 2022 - Jul 2022

- Built an enterprise-grade web-based project management system in collaboration, boosting operational efficiency and aiding Sonatrach, a leading player in Africa's oil and gas sector with annual revenues of \$50-100 billion.
- Conducted thorough requirement analysis and system design, crafting a detailed architecture that met 100% of complex project needs.
- Developed a scalable platform using HTML, CSS, JavaScript (frontend), and Laravel (PHP backend), ensuring robust performance and security.
- Implemented secure user authentication and user profile management, increasing data protection and user trust.
- Designed and integrated role-based access controls and user management capabilities, improving data governance and user administration.
- Established a centralized platform for sharing project updates, publications, and knowledge resources, fostering collaboration and knowledge sharing among employees.
- Deployed the application on Sonatrach's internal servers, achieving 99.9% uptime and ensuring seamless access for all employees.

## PROJECTS

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### Social Media Platform

- Built a social media website with Next.js (front end) and Express (back end) using TypeScript.
- Utilized PostgreSQL for efficient database management and Tailwind CSS for responsive and modern styling.
- Implemented Clerk for secure user authentication, ensuring robust user data protection.
- Created core features such as user profile management, post management, and user interactions including likes, saves, comments, and follows.
- Integrated WebSockets for real-time notifications, delivering instant updates on user interactions.

### E-commerce Furniture Website

- Constructed an e-commerce site for furniture using Next.js (frontend) and Express (backend).
- Used PostgreSQL for database management, Tailwind CSS for styling and NextAuth with JWT for authentication.
- Developed extensive product exploration features including category browsing, searching, filtering, and sorting, enhancing user experience.
- Created shopping cart, favorites, and product rating functionalities, driving customer engagement and retention.

## EDUCATION

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**Bachelor - Information Systems and Software Engineering**  
University of Science and Technology Houari Boumediene

Oct 2019 - Jul 2022