

ABDENNOUR DARKAOUI

Frontend Engineer

Structured & Secure Web Applications

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PROFILE

Frontend engineer working with React and modern JavaScript, with experience integrating backend services and implementing client-side encryption using browser APIs. Focused on clean architecture, predictable data flow, and building production-oriented applications.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS

Backend Integration: Supabase, Node.js, REST APIs, Authentication

Tools: Git, GitHub, Vercel, Netlify

SELECTED PROJECTS

VaultApp

Client-Side Encrypted Vault

- Implemented authentication flow with secure session handling.
- Designed client-side encryption using AES-GCM and PBKDF2.
- Built password-based key derivation and secure unlock system.
- Implemented full data re-encryption on password change.
- Managed sensitive keys in memory with auto-lock mechanism.

Amazon Clone E-commerce Application

- Implemented product browsing, cart, and checkout flow.
- Integrated Stripe payment flow.
- Built authentication using Supabase.
- Managed global state with Context API.

Additional Projects: Finance Tracker, Habit Tracker - focused on state management, reusable components, and responsive design.

INDEPENDENT DEVELOPMENT

Full-Lifecycle Project Management

2024 - Present

- Built and deployed multiple web applications independently.
- Managed full development lifecycle from planning to deployment.
- Focused on debugging, refactoring, and performance.

EDUCATION

Bachelor of Economics - University Dhar el-Mehraz - Fes, Morocco

Web Development Program - Scrimba

LANGUAGES

English, Arabic, French