

Siham Heddi

Full Stack Web Developer

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sihamheddi23.github.io/portfolio/

Skills

Programming Languages - JavaScript, Typescript.

Frontend - React, Next.js, Tailwind CSS, html, css, sass, Bootstrap, Vuejs,

Backend - Node.js, Nestjs, express, Postman, firebase, rest api, graphql api, squeue, sequelize, typeorm, prisma, mongoose, Jest and supertest.

Databases - PostgreSQL, MongoDB

Tools - VSCode, git, github

Languages - Arabic, English, French.

Projects

Skinno Web Application

[Click to view github repo](#)

- **Web Application Overview:** A platform for buying and selling skincare products, featuring user product search and filtering, shopping cart, order management, and an AI assistant powered by Gemini API for skin disorder inquiries.
- **Backend Skills and Technologies:** Proficiency in clean architecture, automated testing, TypeScript OOP, JWT authentication, file uploading, request validation, error handling, and technologies like Express, TypeScript, Socket.IO, Pino, TypeORM, and PostgreSQL, zod, multer.
- **Frontend Skills and Technologies:** Expertise in state management with Redux, handling WebSocket requests, user data storage in cookies, form validation, and technologies including ReactJS, Redux, JS-Cookies, TypeScript, TailwindCSS, React-Toastify, Socket.IO client, and Formik.

Library Web Application

[Click to view github repo](#)

- **Platform Overview:** A platform for buying and selling books, where library owners can manage books and orders, and customers can search, filter, and purchase books.
- **Backend Skills and Technologies:** Implementation of GraphQL APIs, working with ORM (Prisma) instead of direct database queries, and using technologies such as TypeScript, Express, GraphQL, JSON Web Tokens, and PostgreSQL.
- **Frontend Skills and Technologies:** Fetching GraphQL APIs with Apollo Client, uploading files with Cloudinary, form validation with Formik, and using technologies like Apollo Client, Axios, Cloudinary, React, Yup, React Router, and TypeScript.

Faculty Web Application

[Click to view github repo](#)

- **Web Application Overview:** A platform for university faculties to share information, publish courses and ads, and manage content. There are three user types: Admin (manages users, departments, schedules, and teachers), Teacher (manages their courses), and Head of Department (manages their department, teachers, schedules, and ads).
- **Backend Skills and Technologies:** Utilizing the NestJS framework with TypeScript for building REST APIs, using controllers, modules, role-based guards, built-in exceptions, authentication with PassportJS and JWT, and ORM with Sequelize and PostgreSQL.
- **Frontend Skills and Technologies:** Using Next.js (a React.js framework) for fetching REST APIs, implementing client and server components, and using middleware for route guards.

Speeddz

[Click to view github repo](#)

- **Platform Overview:** Speeddz is a web platform that connects shippers with drivers and trucks, allowing users to search for vehicles, connect with drivers, and transport cargo anywhere, anytime. Features include driver account creation, vehicle information management, customer account creation, location-based vehicle search, cargo tracking, and delivery confirmation.
- **Backend Skills and Technologies:** Using Firebase for storage, authentication, and its non-relational database.
- **Frontend Skills and Technologies:** Utilizing the Vue.js framework and Vuex for state management, Bootstrap for styling, and MapQuest.js for interactive maps, geocoding, and reverse geocoding.

Blog Management Web Application

[Click to view github repo](#)

- **Platform Overview:** A platform that allows users to share posts and provide feedback to other users.
- **Backend Skills and Technologies:** Working with MongoDB and its ODM Mongoose, building REST APIs, and using technologies such as Express, TypeScript, JWT, and Mongoose.
- **Frontend Skills and Technologies:** Using ReactJS, TailwindCSS, React Router, Formik and Yup for form validation, and Axios for making HTTP requests.

Education

- **Computer Science Bachelor Degree** - Hassiba Ben Bouali University, Chlef Algeria
Sep 2017 - Oct 2020
- **Artificial Intelligence Master Degree** - Hassiba Ben Bouali University, Chlef Algeria
Sep 2022 - Jun 2024