Siham Heddi

JAVASCRIPT WEB DEVELOPPER

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🌐 https://sihamheddi23.github.io/portfolio/public_html/index.html

SUMMARY

Experienced Javascript web developer with a strong proficiency in building responsive and user-friendly web applications. Skilled in using modern frameworks such as React to create dynamic and interactive websites and also Express, nestjs for building backend. Proven track record of delivering high-quality code on time and within budget. Excellent problem-solving abilities and a passion for staying up-to-date with the latest industry trends and technologies. Ready to bring my expertise to a dynamic team.

SKILLS

- Node.js, nestjs , express
- Git version control and github
- Testing with jest and supertest
- RESTful APIs
- HTML/CSS, javascript, typescript
- Responsive Design
- react , nextjs
- taiwindcss , bootstrap
- firebase
- postgresql, mongodb
- squeelize, typeorm, prisma, mongoose
- Graphql api

PROJECTS

Skinno Web Application

github repo:

https://github.com/sihamheddi23/skinno-web-application

Overview:

It is web application for selling and buying skine care products.

Admin user can manage easily orders and products , there is also analytics.

Users can search and filter products , add products to the card and order it In this plateform .

There is also AI assisstant powered by Gemini api . Both admin and customer users can chat with this assisstant and ask him about skin disorders

In Below the skills that I have learned:

For Backend:

- Implementing Clean architecture pattern
- Automated Testing
- OOP in Typescript
- Web Socket

- Authentication With Jwt but JWT has issue in log out . so we need to add token to blacklist after log out and to do that, in Payload token there is session id which is identifier of session database table and inside this table there is is_active attribute so once the user is loged out the api put this is_active false .
- Uploading files and verifying their extension , sizes
- body request validation before do any operations
- Error handling
- middlewares

Technologies used in backend :

- express + typescript
- socket.io
- logger with pino and pino-pretty + cors + dotenv + jest + supertest
- typeorm + postgresql
- validation with zod
- authentication by email + username + phone_number by using jwt and saving session in DB

For Frontend :

- State management with redux and especially when we have asyncronous operations
- how to handle web sockets requests in client side
- how to store user data in cookies
- form validation

Technologies used in frontend :

- reactjs
- redux
- js-cookies
- typescript
- tailwindcss
- react-tostify for alerts
- socket.io client
- formik

Library Web Application
github repo:

https://github.com/sihamheddi23/library-web-app

Overview :

it is plateform for buying and selling books . The library owner can easily manage his books and his orders , the customer can search , filter the book that he wants and buy it .

In Below the Skills that I have learned :

For Backend :

- how to implement graphql api
- how to work with ORM rather using directly database queries

Technologies used in backend :

- prisma
- typescript
- express-graphql
- express
- graphql
- jsonwebtoken
- postgresql

For Frontend :

- how to fetch graphql api with graphql query language and apollo client
- how to upload files with cloudinary

Technologies used in frontend:

- apollo/client
- axios for upload files in cloudinary
- cloudinary
- form validation with formik
- graphql
- react
- yup for input schema validation
- react router
- typescript

Faculty Web Application
github repo :

https://github.com/sihamheddi23/faculty-web-app

Overview :

It is web application that is dedicated to university faculties to facilitate share their infomation , publish courses & ads for their students and manage their contents easily .

In this plateform there are 3 types of users :

- Admin : can manage users , departements , schedules , teachers .

- Teacher: can only manage its courses.

- Head departement : can manage only his departement , his teachers , schedules , ads

In Below the Skills that I have learned :

For Backend :

- How to use opinionated framework which is nestjs with typescript and how to build rest api with it

- how to use controllers , modules , guard for roles (head departement , teacher, admin)

- how to use Built in exception

- authentication with passportjs and jwt

- ORM squeelize and postgresql

For Frontend :

- how to use nextjs which is framework of reactjs

- how to fetch rest api

- client and server component

- middleware for guard routes

Speeddz
github repo :

https://github.com/sihamheddi23/speeddz

Overview :

Speeddz is a platform that connects shippers with a network of drivers and trucks. With Speeddz, you can easily search for the type of vehicle you need and connect with drivers to transport your cargo anywhere, anytime., In below some features of speeddz :

- Create Driver Account , put vehicle information and his location

- Create customer account to transport cargo . write your location , it shows you in map some vehicle nears you , choose what is suitable for you . write the destination of the cargo and track it once it is delivered give the code to driver in order to confirm the delivration .

In Below the Skills that I have learned :

For Backend :

- how to use firebase for storage , authentication and its non relational database

For Frontend :

- Vuejs framework and vuex for state management

- css framework bootstrap

- mapquestjs : it is a JavaScript library for interactive maps and it is powered by the MapQuest APIs . I learn from this library how to interact with the map , geocoding the location and reverse geocoding .

Blog Management Web Application

github repo:

https://github.com/sihamheddi23/blog-web-app

overview:

It is a plateform that allows users to share their posts and also their feedbacks for other users.

In Below the Skills that I have learned :

- how to work with non relational database which is mongodb and its odm mongoose
- how to build rest api

Technologies used in Backend :

- express
- typescript
- jwt
- mongoose

Technologies used in Frontend :

- reactjs
- tailwindcss
- react router
- formik and yup
- axios

EDUCATION

Comouter 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*

LANGUAGES

English ●●●○○   French   ●●○○○
Arabic ●●●●●

AWARDS

Cyber club Webverse Competition
UHBC University *2024-04-14*
Build The website of the faculty of exact sciences and automated information.

Competition Tasks :

- task 1 the home page contains college advertiseme
- task2 lessons and files page: contains lessons and study timings according to specialization and level
- task3 college introduction page and contacts

click to see award image url