Mortadha Houch *Full Stack Developer*

✉ mortahouch123@gmail.com 📞 +216 26 118 089 📍 Tunis , Tunisia 🔗 mortadha-houch.netlify.app/

🔗 github.com/MortadhaHouch

Profile

Versatile **Full Stack Developer** with expertise in **MERN/MEAN**, **Spring Boot**, and **cross-platform mobile development** using **React Native** and **Ionic**. Skilled in backend APIs, UI design, DevOps tools like **Docker/Nginx**, and database integration with **PostgreSQL** and **MongoDB**.

Education

Thermal engineering and renewable energies   September 2019 – July 2022
Higher institute of technological studies   Tataouine, Tunisia
  Specialized in sustainable energy systems, thermodynamics, and energy efficiency. Applied knowledge
  through practical projects focused on green tech solutions.

Certificates

Responsive web design
  Creating mobile-friendly, accessible websites using HTML5, CSS3 ensuring optimal user experiences across devices.
- Learned HTML5, CSS3, Flexbox, and Grid
- Built mobile-friendly, accessible web layouts
- Focused on responsive UI/UX across devices

Backend development
- Built RESTful APIs with Express.js and Node.js
- Managed data with MongoDB and Mongoose
- Implemented authentication, routing, and CRUD operations

Mobile development
- Developed cross-platform mobile apps for iOS and Android
- Focused on performance optimization and UI/UX design
- Integrated APIs and managed app state with Redux.

Coding Dojo
  American certification in web development
- Covered MERN, MEAN, Spring Boot, and Flask stacks
- Built full-stack apps with RESTful APIs and authentication.
- Integrated frontend frameworks with backend and databases

data analytics
- Gained hands-on experience analyzing datasets using Python libraries like NumPy, Pandas, Matplotlib, and Seaborn
- Learned data wrangling, statistical analysis, and data visualization techniques.
- Completed real-world projects involving data cleaning, transformation, and insight extraction from structured data

Technical Skills

• HTML5	• CSS3	• Bootstrap	• TailwindCSS
• JavaScript	• TypeScript	• React	• Node.js
• Express	• MongoDB	• Next.js	• React Native
• Ionic Framework	• Java	• Angular	• Spring Boot
• MySQL	• PostgreSQL	• Docker	• Nginx
• Git / Github	• C#	• Redis	• Python
• Flask	• FastAPI	• NestJS	• Data Analysis

Soft Skills

Problem Solving

Team Collaboration

Continuous Learning

Hard Skills

Full-stack Web Development (MERN / MEAN Stack)

API Design & Integration (RESTful Services)

Cross-Platform Mobile App Development

Responsive UI/UX Design

Database Modeling & Query Optimization

Version Control & Team Collaboration (Git)

Languages

- Arabic
- french
- english

Projects

Skilline - Educational web app + flashcard game   March 2025 – April 2025
- Developed a full-featured interactive learning platform allowing users to create, manage, and study flashcards using **Next.js** and **TypeScript**.
- Implemented a gamified flashcard mode with **progress tracking**, **answer validation**, and responsive interactivity using **React state**, **local storage**, and **ShadCN UI**.
- Designed a sleek, dynamic UI for creating subjects, flashcard decks, and study sessions using **Tailwind CSS** and **Framer Motion**.
- Added competitive learning features including a **leaderboard** and **social media interactivity** to enhance engagement and self-assessment.
- **Key Achievement:** Delivered a gamified educational platform focused on spaced repetition, self-paced learning, and collaborative competitiveness.
- **Tech Stack:** React.js, TypeScript, Tailwind CSS, ShadCN UI, Framer Motion, Express, Express-fileupload, Gemini API
- **GitHub:**
  - Client – github.com/MortadhaHouch/skilline-client
  - Server – github.com/MortadhaHouch/Skilline-server

Prestige Deco - Furnitures e-commerce web app   February 2025 – March 2025
Role: Full Stack Developer / Solo Project / Duration: 6 Weeks
- Developed core e-commerce features including **product listings**, **category filtering**, and **detailed product pages** using **Next.js**, **TypeScript**, and **ShadCN UI**.
- Implemented a dynamic **shopping cart system** with add/remove, quantity updates, and persistent storage using **local/session storage**.
- Built and integrated **RESTful backend APIs** for product management (CRUD operations) using **Fastify** and **MongoDB** with **Mongoose ORM**.
- Focused on delivering a **responsive**, **modern UI/UX**, optimized for performance across devices.
- **Key Achievement:** Built a full-featured e-commerce platform with real-time product management and a seamless user experience, replicating commercial-level functionality.
- **Tech Stack:** Next.js, TypeScript, Fastify, MongoDB, Mongoose, Tailwind CSS, ShadCN UI **GitHub:**
  - Client – github.com/MortadhaHouch/furniture-client
  - Server – github.com/MortadhaHouch/furniture-server

Task Management Web App   August 2024 – September 2024
Role: Full Stack Developer / Solo Project / Duration: 2 Months
- Developed a modern, full-stack task dashboard using **Next.js**, **TypeScript**, and **Prisma**.
- Implemented **drag-and-drop task scheduling** with react-big-calendar and calendar view integration.
- Built interactive analytics to visualize task completion metrics with **Recharts**.
- Backend powered by **Fastify** and **PostgreSQL**, with modular, maintainable architecture.
- **Tech Stack:** Next.js, TypeScript, Prisma, PostgreSQL, Fastify, Tailwind CSS, ShadCN UI **GitHub:**
  - Client – github.com/MortadhaHouch/task-management-client
  - Server – github.com/MortadhaHouch/task-management-server

File Storage & Management System   July 2024 – August 2024
Role: Full Stack Developer / Solo Project / Duration: 6 Weeks
- Implemented a **hierarchical file and folder upload system** with metadata storage using **Fastify** and **MongoDB**.
- Enabled real-time file preview for documents such as **PDF, DOCX, PPTX**, and more using **react-doc-viewer** and conditional rendering logic in React.
- Built a responsive, user-friendly UI to manage file operations and folder navigation with **Bootstrap** and **React**.
- Designed backend logic to support **multi-file uploads**, structured storage, and secure data handling.
- **Key Achievement:** Recreated a cloud-based document management platform resembling Google Drive, with functional preview support and organized file/folder structures.
- **Tech Stack:** React, Fastify, MongoDB, Bootstrap, react-doc-viewer
- **GitHub:**
  - Client – github.com/MortadhaHouch/google-drive-clone-client
  - Server – github.com/MortadhaHouch/google-drive-clone-server

Professional Experience

Full Stack Software Developer
May 2025 – present
Hippomed AI
Ariana, Tunisia

- Collaborated on cross-functional projects using **Angular** for responsive frontend development with component-based architecture and RxJS-based state management.
- Built and consumed RESTful APIs with **Spring Boot**, implementing backend logic, authentication, and role-based access control.
- Worked on internal tools and admin panels using **Django**, focusing on database models, views, and template rendering.
- Developed hybrid mobile applications with **Ionic Framework**, targeting both iOS and Android platforms with Angular integration and native plugins.
- Utilized **Git** for version control and **Postman** for API testing throughout the development cycle.

Full Stack Developer
July 2024 – August 2024
WowSoft
Tataouine, Tunisia

- Built full-stack applications with Next.js, Fastify, PostgreSQL, TypeScript, and Prisma
- Implemented REST APIs, SSR, and efficient database models
- Ensured type-safe, scalable, and maintainable architecture