makram ben rhouma

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ABOUT MYSELF

I am a passionate and results-driven Full Stack Developer with 1.5+ years of experience in building robust web and mobile applications using Angular, Spring Boot, and Flutter. I also bring strong UI/UX skills from initial wireframes to production-ready interfaces. My goal is to deliver scalable and user-friendly products that combine technical efficiency with design thinking.

WORK EXPERIENCE

🏢 *Digital Power Consulting* – tunis

City: tunis

Flutter Mobile Developer & UI/UX Designer

[11/2024 – Current]

Project: Beekids Mobile
Client: Digital Power Consulting
Team: 4 developers, project manager, architect, business analyst, tester
Project Description:
Development of a cross-platform mobile application (Android & iOS) designed for kindergartens, enabling smooth interaction between teachers, parents, and children through educational and social tools.
Work Done:
🔲 **UI/UX Design:**
  • Created interactive mockups and prototypes using Figma and Adobe XD
  • Designed an intuitive and accessible interface for children, parents, and teachers
  • Implemented a consistent design system aligned with the web version
🔲 **Mobile Development with Flutter:**
  • Developed the application using Flutter (Dart) with MVVM architecture
  • Implemented advanced navigation and state management with Provider/Riverpod
  • Integrated animations and transitions for a seamless user experience
  • Utilized Firebase for authentication, notifications, and data storage
🔲 **Developed Modules:**
User authentication and management (teachers, parents, administrators, children)
Educational dashboard (course access, exercises, progress tracking)
Social module (post sharing, likes, comments, push notifications)
Real-time messaging (teacher-parent chat via Firebase)
Class and event management (schedules, meetings, school outings)
Technical Environment:
  • **Technologies:** Flutter (Dart), Provider/Riverpod, Firebase (Auth, Firestore, Push Notifications), REST API, SQLite
  • **Tools & Methodology:** GitLab, VS Code, Android Studio, Xcode, SCRUM, Figma, Adobe XD

🏢 *Digital Power Consulting*

WordPress Developer & UI/UX Designer

[01/06/2025 – 19/06/2025]

WordPress Developer & UI/UX Designer

Digital Power Consulting – Jun 2024 – Sep 2024
**Project: Beekids Website (Corporate Showcase)
Client: Digital Power Consulting
Team: 1 developer, 1 designer, project manager
The Beekids website is a professional corporate showcase developed on WordPress, intended to present the Beekids application to potential users, schools, and parents. It includes marketing content, blog, contact forms, and demo scheduling.
UI/UX Design:
- • Designed high-fidelity mockups in Figma covering homepage, features, about, and blog
- • Established consistent visual identity and responsive layout structure

WordPress Development:
- • Customized WordPress theme to reflect Beekids brand
- • Created pages: Home, About, Blog, Contact, Features by user type (director, educator, parent)
- • Integrated plugins for calendar demo booking, SEO, caching, security, and contact
- • Ensured full mobile responsiveness and SEO performance

Technical Environment: Technologies: WordPress, Elementor, PHP, MySQL, CSS, JavaScript
Tools: Figma, , VS Code, SCRUM

🏢 *Digital Power Consulting* – tunis

City: tunis

Flutter Mobile Developer & UI/UX Designer

[03/2025 – 2025]

Project: Beehive Lodge Mobile
Client: Digital Power Consulting
Team: 2 developers, project manager, tester
Project Description:
Beehive Lodge Mobile is an internal real estate application developed for both iOS and Android platforms. It enables users to browse, manage, and reserve houses and apartments with ease. The project focused on delivering a clean, intuitive user experience for both renters and owners.
UI/UX Design:
- • Designed interactive mobile interfaces using Figma
- • Ensured consistent brand identity and user-friendly navigation
- • Implemented responsive layouts for multiple screen sizes

Mobile Development with Flutter:
- • Built using Flutter (Dart) with MVVM architecture
- • Integrated REST APIs for dynamic data handling
- • Implemented real-time chat between renters and owners
- • Developed notifications for reservation status and message updates

Technical Environment: Technologies: Flutter (Dart), Firebase (Firestore, Auth, Push Notifications), REST API, SQLite
Tools & Methodology: GitLab, Android Studio, Xcode, VS Code, Figma, SCRUM
Application successfully deployed to the Google Play Store

🏢 *Digital Power Consulting* – tunis

City: tunis

Flutter Mobile Developer & UI/UX Designer

[01/2025]

**Project: StockHive Mobile
Client: Digital Power Consulting
Team: 2 developers, project manager, tester
StockHive Mobile is a business-oriented stock and asset management app for internal company use. It enables departments to manage equipment, suppliers, reclamations, and generate data-driven insights for procurement. The app was built with Flutter and supports both Android and iOS.
UI/UX Design:
- • Designed clean interfaces and workflows using Figma for material tracking and reclamations
- • Implemented dashboards and tables optimized for mobile usability

Mobile Development with Flutter:
- • Built interfaces with Flutter (Dart) and MVVM architecture

- Integrated WebSocket-based notification system for real-time alerts
- Developed backend data consumption via REST APIs

Technical Environment: Technologies: Flutter (Dart), Firebase, REST API, WebSockets, SQLite, python, Jinkins, Tools & Methodology: GitLab, Android Studio, VS Code, Figma, SCRUM

▥ *Digital Power Consulting*

Full Stack Developer & UI/UX Web Designer

[01/06/2024 – 11/2024]

Project: Beekids Web (Educational Platform for Kindergartens)
Client: Digital Power Consulting
Team: 5 developers, project manager, 2 GitOps, architect, business analyst, tester, MOA, web designer
Project Description:
Development of an interactive educational web platform designed for kindergartens, allowing teachers, parents, and children to collaborate using advanced digital tools.
Work Done:
▦ **Web Design (UI/UX):**
- Designed mockups from scratch using Figma, Adobe XD, and Adobe Photoshop
- Created an ergonomic and user-friendly interface tailored for children and teachers
- Established a design system and graphic charter to ensure visual consistency

▦ **Front-End Development:**
- Developed the interface using Angular 17, leveraging the latest framework features
- Implemented state management with NgRx to optimize performance and user experience
- Created dynamic and reusable components (pagination, drag & drop, carousels, interactive forms, etc.)

▦ **Back-End Development:**
- Developed REST APIs using Spring Boot and Hibernate
- Set up a PostgreSQL database for user and educational content management
- Secured endpoints with JWT and Spring Security

Technical Environment:
- **Front-end:** Angular 17, TypeScript, RxJS, NgRx, Bootstrap, SCSS
- **Back-end:** Spring Boot, Hibernate, PostgreSQL, Swagger, JWT, REST API
- **Tools & Methodology:** GitLab, VS Code, IntelliJ IDEA, SCRUM, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator

▥ *Digital Power Consulting* – tunis

City: tunis

WordPress Developer & Web Designer (UI/UX)

[11/06/2024 – 15/09/2024]

Project: WordPress Website Development & Maintenance
Client: Digital Power Consulting
Team: 3 developers, project manager, web designer
Project Description:
Development and customization of WordPress websites for various internal projects at Digital Power Consulting. Optimization of performance, user experience, and platform accessibility.
Developed Websites:
- **Beehive Entreprise:** Corporate website showcasing the company's services and expertise.
- **Beehive Construction:** Platform dedicated to construction projects and achievements.
- **Beehive Digital:** Website focused on the company's digital and technological services.
Work Done:
▦ **WordPress Developer:**
- Created and customized WordPress themes tailored to client needs.
- Developed and integrated plugins to add specific functionalities.
- Optimized performance (SEO, loading speed, mobile compatibility).
- Secured websites by implementing best practices and adapted security solutions.
- Configured and managed WordPress databases.
▦ **Web Designer (UI/UX):**
- Designed wireframes and mockups using Figma and Adobe XD.

- Improved interface ergonomics and design for a better user experience.
- Integrated and customized CSS styles to match the client's visual identity.

Technical Environment:
- **Technologies & Tools:** WordPress, PHP, HTML, CSS, JavaScript, Elementor, WooCommerce, Advanced Custom Fields (ACF), MySQL, GitLab, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator, Visual Studio Code, SCRUM

🏢 *Digital Power Consulting*

UI/UX Web Designer & Front-End Developer

[01/03/2024 – 07/2024]

Project: DSMS
Client: Digital Power Consulting
Team: 5 developers, project manager, 2 GitOps, architect, business analyst, tester, MOA, web designer
Project Description:
Development of the DSMS web application for the management of primary educational and administrative institutions.
Work Done:
🖥 **Web Designer:**
- Created wireframes and user interfaces.
- Designed a responsive layout for an optimal user experience.

🖥 **Front-End Developer:**
- Managed application state with NgRx.
- Developed SPA navigation for improved user experience.
- Built responsive UI components using Angular directives and pipes.
- Integrated RESTful services for front-end communication.
- Optimized performance through caching and lazy loading.
- Developed unit tests.
- Designed and implemented parent interfaces.

Technical Environment:
- **Technologies & Tools:** Angular, NgRx, RESTful APIs, HTML, CSS, JavaScript, Spring Boot, PostgreSQL, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator

🏢 *Digital Power Consulting*

UI/UX Web Designer & Front-End Developer

[05/01/2024 – 06/03/2024]

Project: Find Me
Client: Digital Power Consulting
Team: 5 developers, project manager, 2 GitOps, architect, business analyst, tester, MOA, web designer
Project Description:
Development of an innovative online platform that allows candidates to easily submit their resumes to be discovered and reviewed by recruiters.
Work Done:
🖥 **Web Designer:**
- Designed mockups and prototypes for user interfaces.
- Defined the visual identity of the platform.

🖥 **Front-End Developer:**
- Developed reactive and reusable UI components.
- Utilized NgRx for centralized state management.
- Configured SPA navigation for a seamless user experience.
- Optimized performance through lazy loading and caching.
- Integrated back-end web services.
- Implemented an AI model for CV verification.
- Conducted unit testing.

Technical Environment:
- **Technologies & Tools:** Angular, Spring Boot, Hibernate, Maven, PostgreSQL, Bootstrap, GitLab, Swagger, VS Code, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator, IntelliJ IDEA, SCRUM

🏢 *Digital Power Consulting*

UI/UX Web Designer & Front-End Developer

[01/2024 – 02/2024]

Project: Beehive
Client: Digital Power Consulting
Team: 5 developers, project manager, 2 GitOps, architect, business analyst, tester, MOA, web designer
Project Description:
Development of an online training platform aimed at improving the learning process.
Work Done:
🖥 **Web Designer:**
    • Created mockups and designs for user interfaces.
    • Designed an intuitive and user-friendly interface.
🖥 **Front-End Developer:**
    • Integrated advanced features such as drag-and-drop, dynamic pagination, and state management.
    • Used Angular's reactive system to develop dynamic user interfaces, enhancing interactivity and user engagement.
    • Implemented state management with NgRx.
    • Developed reusable and highly customizable components using UI component libraries.
Technical Environment:
    • **Technologies & Tools:** Angular, Spring Boot, Hibernate, Maven, PostgreSQL, Bootstrap, GitLab, Swagger, VS Code, Figma, Adobe XD, Adobe Photoshop, Adobe Illustrator, IntelliJ IDEA, SCRUM

EDUCATION AND TRAINING

Professional Technician Certificate in Applied Computer Science for Management – IPSET

IPSET [2023]

City: tunis | **Country:** Tunisia

Software Security for Web Applications

coursera [2023]

Website: https://coursera.org/share/415593add2b53a8148065ce1fd5315de

Introduction to VueJS Framework

coursera [2024]

Website: https://coursera.org/share/03baf827c70e05da48e70e7144c1cd0b

Introduction to Cloud Computing

coursera [2023]

Website: https://coursera.org/share/a3a3ce7835987d02221f8d89caeda74a

Bases de la conception Expérience Utilisateur (UX)

coursera [2024]

Website: https://coursera.org/share/edba5c1a2559d08c0fcf2266bc69c9d4

Angular for Front End Engineers

coursera [2023]

Website: https://coursera.org/share/a3921224224df8128e4fe8d5eb79e69d

Introduction to Agile Development and Scrum

coursera [2023]

Website: https://coursera.org/share/5aff0fdc2ba2af7e0c711df0c114e7fd

Foundations: Data, Data, Everywhere

coursera [2023]

Website: https://coursera.org/share/fb7c2f55716ea6655535a4d2a99bd748

Introduction to DevOps

coursera [2023]

Website: https://coursera.org/share/410b689e0d1af8832a614693ed68716b

Python for Beginners

sololeran [2022]

SQL

sololeran [2022]

PHP

sololeran [2022]

LANGUAGE SKILLS

Other language(s):

German

LISTENING B1 **READING** A2 **WRITING** B1
SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

French

LISTENING B2 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

English

LISTENING B2 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

SKILLS

Angular / java / Spring-boot / python / wordpress / php / html / css / js / ui / MySQL / ux / javascript / sql / Dart & Flutter / mobile / Base des données : MySQL, PostgreSQL, Oracle / angular/java / bootstrap / Firebase / Figma / Adobe / canva / Adobe XD / Adobe Photoshop / IntelliJ IDEA / GitLab / VS Code / Xcode / Wordpress / Git