

BOUSSAHA BORHANEDINE

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Location : Annaba, Algeria

SUMMARY

Experienced **mobile** developer with **Flutter** framework, specialized in building scalable and maintainable apps, backed by a deep understanding of **clean architecture** and **clean code** principles. This allows me to ensure projects remain organized and easy to manage as they grow. With solid experience in integrating Flutter apps with **APIs** and building backends using **Express.js**, I'm confident in my ability to tackle any project and deliver high-quality solutions.

EDUCATION

Engineering Degree in IT

ENSTICP (ex INPTIC), Algeria

Start Year: 2021 | Expected Graduation: 2026

PROFESSIONAL EXPERIENCE

Flutter Developer -----

Dec 2022 – Present

- Developed and maintained several mobile applications, primarily using Flutter for cross-platform development, ensuring performance, maintainability, and scalability.
- Integrated backend services using Express.js, MySQL, and Firebase, enabling real-time features like notifications and chat functionalities.
- Implemented Clean Architecture to ensure modularity and maintainability of code.
- Worked with clients to design custom features based on user requirements and business needs, focusing on delivering seamless user experiences.
- Utilized GetX and BLoC for state management to ensure smooth, responsive UI in complex applications.

Backend Developer (Express.js) -----

Dec 2023 – Present

- Developed RESTful APIs and backend services using Express.js for different applications .
- Designed and implemented secure user authentication with JWT and managed databases using MySQL for efficient data storage and retrieval.
- Integrated Firebase Cloud Messaging (FCM) for push notifications and Socket.io for real-time communication in applications.
- Collaborated with frontend developers to ensure seamless integration between backend services and mobile/web apps.
- Implemented clean architecture & coding practices, ensuring backend code was modular, readable, and easy to maintain.

PROJECTS

Nova Carta – E-commerce App -----

- Technologies: Flutter, Express.js, MySQL, Firebase
- Description: Designed and developed a fully functional e-commerce app leveraging Flutter for the frontend (Admin Panel + Client) and Express.js with MySQL for the backend.
- Features:
 - Integrated FCM for real-time push notifications to keep users updated on promotions and orders.
 - Applied Clean Architecture for both the frontend and backend, ensuring code maintainability and scalability.
 - Managed product catalogs, orders, and user profiles using a MySQL database.
- GitHub: [Nova Carta Source Code](#)
- Demo: [Nova Carta Demo](#)

Chat App with Real-Time Messaging -----

- Technologies: Flutter, Express.js, WebSockets (Socket.io), Firebase
- Description: Developed a chat application with real-time messaging features, using Socket.io for seamless communication and Firebase for backend storage.
- Features:
 - Real-time chat with message delivery notifications.
 - User authentication using Firebase Auth, including login, registration, and password recovery features.
 - Integrated Socket.io for low-latency real-time messaging.
 - Used Clean Architecture to maintain a clear separation between the UI, business logic, and data layers.
- GitHub: [Chat App Source Code](#)
- Demo: [Chat App Demo](#)

Task Management App -----

- Technologies: Flutter, BLoC, Express.js, MySQL
- Description: Developed a task management app with Flutter and BLoC for state management, using Express.js and MySQL for the backend. The app helps teams organize tasks with a calendar view and provides real-time task updates and notifications.
- Features:
 - Tasks are well organized in a calendar interface, with features to create, update, and track task deadlines.
 - BLoC was used for efficient state management, ensuring smooth performance and responsiveness.
 - Integrated real-time notifications to remind users about approaching task deadlines and updates.
 - Express.js with MySQL for managing tasks and user data in a structured database.
 - The app follows Clean Architecture for maintainability and scalability.
- GitHub: [Task Management Source Code](#)
- Demo: [Task Management App Demo](#)

AI-Powered Chatbot with OpenAI API -----

- Technologies: Flutter, OpenAI API
 - Description: Created an AI-powered chatbot integrated with the OpenAI API to provide assistance via text and audio, including generating images and answering queries.
 - Features:
 - Supports text-based and audio interactions, offering versatile assistance options.
 - Utilizes OpenAI's image generation API to generate images based on user prompts.
 - Provides answers to general queries and offers assistance, with responses tailored for enhanced conversational flow.
 - Integrates text-to-speech and speech recognition for seamless audio interaction.
 - GitHub: [Chat Bot Source Code](#)
 - Demo: [Chat Bot Demo](#)
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SKILLS

- **Languages & Frameworks:** Flutter, Dart, Express.js, MySQL, JavaScript.
 - **State Management:** GetX, BLoC.
 - **Architecture:** Clean Architecture, MVVM, Repository Pattern.
 - **Backend:** Express.js, REST APIs, Firebase , Firebase Cloud Messaging , WebSockets.
 - **Version Control:** Git, GitHub
 - **Tools:** Postman, Android Studio, Visual Studio Code.
 - **Core Skills:** OOP , Problem Solving, fundamentals in networking (CCNA).
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ADDITIONAL INFO

- **Availability:** Open to full-time and freelance opportunities.
- **Languages:** Arabic (native) | English (fluent)