

# BOUSSAHA BORHANEDINE

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**Location** : Annaba, Algeria

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## SUMMARY

Experienced Mobile Developer with Flutter specializing in building scalable, high-performance mobile apps using Clean Architecture. Proficient in backend development with Express.js and MySQL. Committed to delivering robust, user-friendly applications with a focus on performance and maintainability. Eager to contribute innovative solutions in mobile and backend development.

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## EDUCATION

### Engineering Degree in IT

ENSTICP (ex INPTIC), Algeria

Start Year: 2021 | Expected Graduation: 2026

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## PROFESSIONAL EXPERIENCE

### Freelance Flutter Developer -----

Dec 2022 – Present

- Developed and maintained several mobile applications, primarily using Flutter for cross-platform development, ensuring performance 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.

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## 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 Souce 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.
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## ADDITIONAL INFO

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