Boulekzazel Tayeb

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OBJECTIVE

I am a skilled and ambitious full-stack developer with extensive experience in web and mobile development as well as artificial intelligence. I have deep and practical knowledge of technologies such as Node.js, React, Flutter, and Python. I am interested in creating intelligent and innovative solutions that solve real-world problems. I am committed to delivering solutions that make sense and are always reliable and timely; I produce clean, scalable code and deliver robust systems on time. I greatly enjoy working in a team, learning new things, and developing ideas and bringing them to the screen.

EDUCATION

- **University Ferhat Abbas Sétif-1** — 2025 — Sétif, Algeria
  Master in Data Engineering and Web Technologies
  ◦ Specialization: Data Engineering, Web Technologies, Machine Learning, AI Systems

- **University Diploma – Startup** — 2025 — Sétif, Algeria
  University Diploma – Startup
  ◦ Mechanism "one diploma, one Startup" according to the ministerial decree
  ◦ Follow-up of an innovative project with support from the university incubator

- **University Ferhat Abbas Sétif-1** — 2020 – 2023 — Sétif, Algeria
  Bachelor's Degree in Information Systems
  ◦ Average: 12.5 / 20 (approx. 3.0 / 4.0)
  ◦ Main courses: Databases, Software Engineering, Computer Networks

- **Independent Candidate – Free Baccalaureate – Mathematics** — 2020 — Sétif, Algeria
  Free Baccalaureate – Mathematics
  ◦ Mention: Fairly Good

- **Omar Hrayeg High School** — 2019 — Sétif, Algeria
  Baccalaureate – Mathematics
  ◦ Mention: Fairly Good

EXPERIENCE

- **FullStack Developer**
  Setif, Algeria | Remote — Jan 2020 – Now
  ◦ Developed full-stack mobile and web applications using Flutter, Node.js, React.
  ◦ Published multiple applications on both Google Play and the Apple App Store.
  ◦ Strong experience with state management (GetX, Provider) and software architectures (MVC, MVVM).
  ◦ Integrated and consumed RESTful APIs; implemented real-time features using Firebase (chat, notifications, live tracking).
  ◦ Worked with local databases (Hive) and cloud/hosted databases (SQL, NoSQL).
  ◦ Integrated third-party services and APIs such as Google Maps, payment gateways, and cloud services.
  ◦ Implemented multi-language localization and global theming, including smooth Dark/Light mode support.
  ◦ Built intelligent features powered by machine learning for smart booking and logistics optimization.
  ◦ Developed admin dashboards and deployed scalable backend infrastructures.
  ◦ Collaborated with clients in logistics, delivery tracking, and AI-powered service platforms.

Flutter Mobile Developer — Samsung (SINOVA)
Sétif, Algeria | On-site — Dec 2025 – Now
- Mobile development using Flutter for production-grade applications.
- Responsible for task scheduling and workflow coordination (ordonnancement).
- Contributed to web development tasks and integration with mobile solutions.
- Collaborated with cross-functional teams to ensure high-quality feature delivery.

Flutter Developer (Part-time) — Pharma Express

Oran, Algeria | Remote   Jun 2024 – Nov 2025

- Developed mobile features and backend services for company products using Flutter and Node.js.

- Implemented state management with GetX for robust app state and navigation handling.

- Collaborated with an expert team on a startup project, participating in planning, code reviews, and feature design.

- Worked on UI/UX tasks to improve user flows and implement responsive interfaces.

- Built and adapted Flutter apps for macOS and Web targets in addition to mobile platforms.

- Contributed to backend API development and integration with mobile clients (Node.js RESTful APIs, authentication, data synchronization).

PROJETS

- **Blood Donation Application**   *Apr 2023 – Jun 2023*
  Tools: Flutter, Firebase (Auth, Firestore, Storage), Google Maps API   [⌂]
  ◦ Developed an authentication system using Firebase with role-based access (donors and hospitals).
  ◦ Implemented real-time location tracking with Google Maps to match donors based on proximity.
  ◦ Built a dynamic request/response interface with push notifications using Firebase Cloud Messaging.
  ◦ Used Firestore queries to analyze active donors by region and blood group.

- **Trendify : Full-Stack E-commerce Platform**   *Aug 2025 – Oct 2025*
  Outils : Flutter, GetX, MVC, Node.js, Express.js, MongoDB   [⌂]
  ◦ Développement d'une application mobile e-commerce moderne en Flutter utilisant GetX et l'architecture MVC.
  ◦ Conception d'un backend RESTful avec Node.js, Express.js et MongoDB assurant une structure scalable et modulaire.
  ◦ Mise en place d'une authentification sécurisée avec JWT et gestion des rôles (admin/utilisateur).
  ◦ Implémentation de modules CRUD : Produits, Catégories, Sous-Catégories, Marques.
  ◦ Gestion du panier, création de commandes, suivi en temps réel et système d'avis/ratings.
  ◦ Intégration du téléversement d'images via Multer et optimisation des performances via Mongoose.
  ◦ Création d'un script de seed pour générer rapidement des données de test (seeder.js).

- **TransiGo: Intelligent Delivery Tracking and Route Optimization Platform**   *Oct 2024 – Jun 2025*
  Tools: Flutter, MySQL, Node.js, Knex.js, Docker, Firebase, React, Flask, MVC
  ◦ Developed a cross-platform mobile application for clients and drivers using Flutter.
  ◦ Integrated route optimization using K-means clustering and Traveling Salesman Problem (TSP) logic.
  ◦ Built a RESTful backend with Node.js and MySQL, containerized with Docker for scalable deployment.
  ◦ Implemented real-time notifications and an analytics dashboard for delivery tracking.
  ◦ Designed a recommendation system to suggest nearby bookings to drivers based on location and availability.

- **Foodu: Intelligent Multi-Role Food Delivery Platform**   *Dec 2025 – Present*
  Tools: Flutter (MVVM, GetX), Node.js, Express.js, MySQL, Firebase (Auth, Firestore, FCM)   [⌂]
  ◦ Built an intelligent, multi-role food delivery ecosystem inspired by platforms like Uber Eats, connecting clients, restaurants, drivers, and admins.
  ◦ Developed a scalable Flutter mobile application using MVVM architecture and GetX for state management and routing.
  ◦ Implemented a robust backend using Node.js and Express.js with MySQL for secure and structured data operations.
  ◦ Added real-time order tracking, live driver updates, and push notifications powered by Firebase Cloud Messaging.
  ◦ Integrated restaurant dashboards, driver task management, and admin monitoring tools within a unified system.
  ◦ Designed optimized APIs for order assignment, delivery workflow, user roles, and restaurant management.

SKILLS

- **Programming Languages:** Dart, JavaScript, TypeScript, Python
- **Mobile Development:** Flutter, Android, iOS, Provider, GetX, MVC, MVVM, Maintainable Code
- **Web Technologies:** HTML5, CSS3, Node.js, Express.js, RESTful APIs, React.js
- **Databases:** MySQL, SQLite, MongoDB, Firebase Firestore, Database Design & Integration
- **Cloud & Backend Services:** Firebase (Auth, Firestore, Storage, FCM), Cloudinary
- **Data Science & Machine Learning:** ML Algorithms Computer Vision, Deep Learning, Content-Based Filtering
- **DevOps & Version Control:** Git, GitHub, Docker, Postman, VS Code, Android Studio
- **UI/UX & Design Tools:** Figma, Adobe XD, Draw.io
- **Specialized Domains:** Recommender Systems, Route Optimization, Mobile App Development, Multi-Agent Systems, OOP, Data Structures
- **Professional Tools:** LaTeX, Microsoft Office (Word, PowerPoint, Excel), Google Maps API, Firebase Messaging
- **Research Skills:** Technical Writing, Experimentation, Data Analysis, Literature Review, Algorithm Design, Report Writing

LANGUAGES

- **Arabic :** very good spoken and written native
- **French :** good spoken and written
- **English :** moderate spoken and good written

CERTIFICATIONS

- **Entrepreneurship Training Program**
  Incubator – Ferhat Abbas University Setif-1 | Setif, Algeria 2025
  ◦ Hands-on training in business model development, startup strategy, and innovation.

- **English Language Course**
  ADHOC Institute | Setif, Algeria 2023
  ◦ Intermediate to advanced English training focused on communication and technical vocabulary.