OSAMA RIYAD

Professional Summary

Junior Flutter Developer with a solid foundation in computer science and over a year of professional experience. Skilled in Flutter, Dart, and various state management techniques, with a strong focus on implementing design patterns and clean architecture to build scalable and maintainable applications. Through my work as a freelancer, I have developed and maintained high-quality mobile applications, showcasing proven expertise in problem-solving, API integration, and delivering efficient solutions that meet client needs effectively.

EXPERIENCE

MOBILE DEVELOPER (FLUTTER):

CELLULA TECHNOLOGIES | SEPTEMBER 2024 – NOVEMBER 2024:

- Developed a Meal Recommendation AI app that leverages AI to suggest personalized meal plans based on user preferences. The app integrates Flutter for front-end design, Dart for robust logic, and efficient API handling.

- Focused on clean architecture and implemented Bloc for state management to ensure scalability and maintainability.

- Collaborated on integrating RESTful APIs to process and deliver recommendations, enhancing user experience with a seamless and intuitive interface.

  Technical Skills Used : Flutter, Dart, Bloc, RESTful APIs, Clean Architecture, Firebase,Hive,Secure Local Storge ,GitHub,Git

FREELANCER FLUTTER DEVELOPER:

JUST UNIVERSTY | MAY 2024 – JULY 2024:

- Created a Health Ring app that monitors vital health metrics, including heart rate, SpO2, and other health indicators.

- Integrated real-time data tracking and visualization for accurate health insights.

  Technical Skills Used: Flutter, Dart, Firebase, RESTful APIs, Bluetooth Integration, Data Visualization,Figma

EDUCATION

BACHELOR'S DEGREE IN COMPUTER ENGINEERING

Jordan University of Science and Technology (JUST) |
Expected Graduation: 2026

CERTIFICATIONS

- **Complete Flutter Development (Arabic) -** Udemy
- **Advanced Flutter Development With Ai -** Udemy
- **IoT Development -** IEEE HU EA

TECHNICAL SKILLS

Languages & Frameworks: Dart**,** Flutter, Bloc & Cubit, Riverpod, Hive, HTTP, Dio, Flask, Node.js, Python.

Tools & Platforms: Git**,** Postman, Firebase, Swagger, Github, SQL, Azure, Figma, Linux.

Technologies: Responsive & Adaptive Design, API Integration, Security, Payment Integration, AI Development (Building AI Characters), Design Patterns, Clean Architecture, Computer Vision, Mobile SDKs.

PROJECTS

MEAL RECOMMENDATION AI

Developed a Meal Recommendation AI application using Flutter and Dart, designed to provide personalized meal suggestions based on user preferences and dietary requirements. The app leverages machine learning models and Gemini AI to analyze user inputs and recommend tailored meals. Built with a strong focus on Clean Architecture and Design Patterns, the application ensures maintainability, scalability, and performance optimization. It integrates Firebase for secure real-time data storage, Hive for offline storage, and secure shared preferences for managing sensitive user data. Utilizing Bloc state management, the app provides seamless functionality and API connections for dynamic meal data retrieval. The intuitive and responsive user interface enhances engagement, offering real-time updates and an exceptional user experience.
GitHub Repository: Meal Recommendation AI

WEATHER_AI_MODEL

The Flutter-based mobile application delivers real-time weather updates with a Clean Architecture design, ensuring scalability and maintainability. It provides accurate forecasts, detailed insights, and interactive features for user convenience. APIs enable real-time data fetching, while secure authentication ensures privacy. Cubit is used for efficient state management, and AI-driven predictions enhance forecast accuracy. The app's layered architecture separates concerns for better testability and scalability. With a sleek interface, it offers a seamless and user-centric experience.
GitHub Repository: Weather_Ai

ARD

Designed and developed ARD, a Flutter-based mobile application featuring an intuitive and user-friendly interface to empower farmers in monitoring their farms, managing resources efficiently, and predicting future conditions through actionable data insights. The app includes advanced functionalities such as secure authentication, Firebase for real-time data storage, seamless API integrations, and the implementation of a chatbot using Gemini to enhance user interaction. Leveraging Cubit state management, the app delivers optimal performance, scalability, and an engaging user experience.
GitHub Repository: ARD

JUST GPA

Flutter app for Jordan University of Science and Technology students to calculate their GPA quickly and accurately. The app features a simple interface for easy course and grade input.
Github Repository: JUST_GPA

AWARDS

NASA SPACE APPS AMMAN (2024)

Awarded for the Best Strategy Team. Participated in creating an innovative solution addressing a critical problem, focusing on strategic planning and teamwork to develop a successful project. Our problem was leveraging Earth Observation Data for informed agricultural decision-making.

GAZA THON

Recognized for the Most Sustainable Project. The project was developed for Gaza. Developed a project that emphasized long-term sustainability, showcasing an in-depth understanding of sustainable development practices and innovative problem-solving. The problem was in health, specifically addressing the lack of communication between hospitals in Gaza

VOLUNTEERING

IEEE JUST RAS -ARDUINO COACH

Mentored students in robotics and automation with a focus on Arduino-based projects.
Organized and delivered hands-on training sessions to enhance technical skills.
Contributed to advancing technology education and fostering innovation in robotics.

OD COORDINATOR – AIESEC LC IRBID

Managed organizational development initiatives to enhance team dynamics and performance.
Planned and facilitated workshops, training sessions, and member engagement activities.
Collaborated with leadership to implement strategies for sustainable growth.
Promoted a culture of learning and continuous improvement within the local committee.

CONTACT

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