

Mohamed Melek Chtourou

Mobile Development Engineer

Esprit Private Higher School of Engineering and Technologies, Tunisia

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🌐 Portfolio

🔗 LinkedIn Profile

EDUCATION

•Diploma of IT Engineering(Mobile Development)

Sep 2018 - Nov 2023

Esprit Private Higher School of Engineering and Technologies, Tunisia

EXPERIENCE

•Fullstack Developer

Orange Digital Center

Swift, Javascript, MySQL, Git

February 2023 - August 2023

- Developed a mobile application using SwiftUI.
- Collaborated closely with an interdisciplinary team to ensure project success.
- Consumed APIs from the backend to integrate dynamic data into the application.
- Created and implemented a Node.js server to manage server-side functionalities of the application.
- Proactively resolved technical issues and performed continuous maintenance of the application and server to ensure stability and performance.

•iOS Frontend Developer Internship

Esprit Private Higher School of Engineering and Technologies

Swift, Git

Aug - Nov 2022

- Created user interfaces using storyboards for seamless navigation on various iPhone models from 4s to iPhone 13.
- Implemented responsive design with auto layout to ensure optimal user experience across different devices.
- Consumed APIs from the backend to integrate dynamic data and enhance app functionality.
- Tracked and implemented designs from Figma, ensuring fidelity and consistency in the final product.
- Participated in interviews with the Mobile Spirit team to validate and discuss key project points.
- **Technologies Used:** Xcode, Swift, and other iOS development tools.

•Mobile Full Stack Developer Internship

Future Proof

Dart, Java, GraphQL, Git, Docker

Juin - Aug 2022

- Integrated into a team using the agile methodology for efficient collaboration and project delivery.
- Utilized Jira for creating tickets, ensuring organized and structured task management.
- Executed query creation and mutation with GraphQL to optimize data retrieval and manipulation.
- Developed backend services using Spring Boot to enhance the overall functionality of the application.
- Implemented and consumed created services in the frontend using Flutter for a seamless user experience.

•Full Stack Developer Internship

SW Center

Symphony, MySQL, Git

Juill 2021 - Sept 2021

- Designed a web platform using Symfony, ensuring a user-friendly and functional interface.
- Modeled the database in accordance with customer requirements, optimizing data structure for efficient use.
- Identified and resolved site problems, demonstrating problem-solving skills and maintaining site reliability.
- Added new technical features to enhance the platform's capabilities and user experience.

•Technician Internship

Digital Research Technologie

Python, Git

Juill 2020 - Aug 2020

- Conducted research and documentation on Speech Recognition Testing libraries, contributing to the understanding and evaluation of speech recognition technologies.
- Developed models using Python for speech recognition, demonstrating proficiency in machine learning techniques.
- Tested developed models on Tunisian films, providing practical insights into the application and effectiveness of the technology.

PERSONAL PROJECTS

•TESA E-sport App

Sep 2023 - Present

Dart, Javascript, MySQL, Git

- Facilitates quick and efficient data input for users, saving time when adding information to both the application and Challonge.
- Enables easy tracking of ongoing tournaments, ensuring users are always up-to-date on the latest results and schedules.
- Delivers timely news updates related to E-sports in Tunisia, keeping users informed about the latest developments and events.
- Provides a comprehensive ranking system, offering users insights into the overall standings and performance trends.
- Integrates Challonge API system into the application, allowing seamless creation of tournaments directly via the app, saving users valuable time.
- Utilizes Top8er integration to generate visual representations of the top 8 relative to the tournament, enhancing the user experience.
- Technologies Used: Flutter, MySQL, NodeJs, Firebase.

•Interactive Student Dashboard App for Esprit

Juin - Aug 2022

Swift, ArKit, Git

- Provides a centralized hub for students to access the university website, submit paper requests, and check their grades.
- Implements card-based authentication using the camera, enhancing security and user convenience.
- Incorporates augmented reality (AR) for interactive features after successful student card recognition.
- Technologies Used: Swift, AR frameworks.

TECHNICAL SKILLS AND INTERESTS

Languages: Swift, Dart, Javascript

Frameworks: Flutter, Node.js

Cloud/Databases: MongoDB, Firebase, Relational Database(MySQL)

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Developing Mobile Apps, Server Development

Soft Skills: Problem Solving, Self-learning, Adaptability