NAJMEDDINE JARRAY

Full Stack Developer

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I'm a Full-Stack Developer with experience in both web and mobile development. Throughout my career, I've collaborated with various companies and as a freelancer, which has allowed me to build strong expertise in the field. I am proficient in a wide range of technologies, including Angular, Flutter, Node.js, Express.js, Nest.js, Flask, and Machine Learning. I also have hands-on experience with MySQL and PostgreSQL databases, as well as DevOps tools such as Git, Docker, and Docker Compose. I am passionate about development, modeling, and the creation of technical and functional specifications. I enjoy collaborating closely with team members to deliver high-quality solutions that meet the needs of the end user.

EXPERIENCE

Full Stack Developer | Internship PFE Pristini Knowledge Group @APICEM

Sousse, Tunisie

Design and development of a virtual assistant chatbot for emergency situations.

- Ejrili Yammi is a virtual assistant chatbot designed to provide precise and immediate guidance during critical incidents, ensuring rapid communication for effective interventions.
- Developed Modules: Backend with Flask, Rasa integration for Natural Language Processing (NLP), UI/UX with Flutter, Deep Learning models for emergency analysis, PostgreSQL integration.
- Technologies: Flutter, Flask, Rasa, Natural Language Processing (NLP), Machine Learning, Deep Learning, PostgreSQL.

Full Stack Developer | Summer Internship EURO TECH CONSEIL

🛗 June 2022 – Juiy 2023

♥ Kairouan, Tunisie

Design and development of an electronic document signing platform.

- SignNow is an electronic document signing platform aimed at creating a secure and efficient system for digitally signing documents, streamlining processes while ensuring legal compliance.
- **Developed Modules:** User management and authentication, document upload and storage, electronic document signing.
- Technologies: Angular, Node.js, Sequelize, Express, MySQL.



EDUCATION

Master in data science

Higher Institute of Applied Sciences and Technology of Kairouan

September 2023 – Present

Bachelor's computer systems engineering

Higher Institute of Applied Mathematics and Computer Science of Kairouan

September 2020 - june 2023

Specialization: Embedded Systems and IoT

Baccalaureate in Experimental Sciences

High school AL Aghlabid, Kairouan

September 2015 - june 2020

SKILLS

- Frontend: Angular, Flutter
- Backend: Node.js, Nest.js, Flask, Spring Boot
- Methodology: Scrum
- Databases: MySQL, PostgreSQL, MongoDB
- DevOps: Git, Docker, Docker Compose
- **AI**: Machine Learning, Deep Learning, Natural Language Processing (NLP), Rasa
- **Soft**: Communication, Leadership, Motivation
- Languages: JavaScript, Type Script, Java, Python, Dart,

CERTIFICATES

- Scrum Certification SCRUM
- Data Science & Machine Learning Udemy
- Flutter Advanced & Clean Architecture Udemy
- Angular Certification Hacker Rank
- Node.js Certification Hacker Rank
- SQL Certification Hacker Rank

LANGUAGES

- Arabe C2
- Frensh A2
- English A2

INTERESTS

- AI ML DL
- Development

PROJECTS

Design and development of a mobile application for managing bus lines and stations and extracting travel fares via QR code.

Flutter / MVC pattern | Node.js | Express | Sequelize | PostgreSQL.

May 2024 – July 2024

- **Developed Modules:** Bus line and station management, QR code extraction, User interface, Payment system.
- **Tasks:** Implemented bus line and station management features, QR code fare extraction, conducted testing, and optimized the application

Design and development of an insurance mobile application for FTUSA - The Federation of Insurance Companies Tunisia.

Flutter | Firebase | API.

March 2024 – june 2024

- **Developed Modules:** Insurance policy management, Claims consultation, Case tracking, Towing, Medical assistance, Vehicle rental, User interface, Notifications, and alerts.
- **Tasks:** Developed features for policy management, claims consultation, case tracking, towing, medical assistance, and vehicle rental, created an intuitive user interface; integrated API, performed testing and validation

Real-Time Sign Language Recognition

Machine Learning, Deep Learning, Computer Vision

February 2024 – March 2024

 Tasks: Data collection and preprocessing, Model selection and training, Real-time implementation, Evaluation, and testing

Design and development of a mobile application for agricultural service management. Flutter | GetX | Node.js | Express-Sequelize | PostgreSQL.

December 2023 - February 2024

- **Developed Modules: Tractor** Management, Equipment Management, Client Management, Driver Management, Usage Tracking, and invoice Management.
- Tasks: Frontend: Designed with Flutter, Backend: Developed with Node.js. and testing and validation.

Design and development of a mobile application for home service provision.

Flutter | NestJS | MVC Pattern | PostgreSQL.

September 2023 - December 2023

- Developed Modules: Home service management (booking, cancellation, modification), Service provider management (profile, availability), Online payment system.
- Tasks: Implemented features for managing services and providers, integrated online payment system

Design and development of a platform for classifying COVID-19 radiological images. Angular | Angular-Material | Flask | Machine Learning | Deep Learning | PostgreSQL

- **Developed Modules:** Data collection, preparation, and validation for COVID-19 radiological images, Image classification model training, User interface development and integration.
- **Tasks:** Implemented data collection, preparation, and validation modules, trained, and evaluated the classification model, developed the user interface

Development of a control unit and IoT application for monitoring and controlling a smart agriculture system

Angular | Flutter | Flask | Raspberry PI | PostgreSQL

Ctober 2022 – December 2022

- **Developed Modules:** Sensor and Actuator Management, Data Collection and Preparation, IoT Device Integration (Raspberry Pi), Front-End User Interface (Angular | Flutter), API Integration
- **Tasks:** Implemented data collection, preparation, trained and evaluated the classification model, developed the user interface, validation, and testing