

NAJMEDDINE JARRAY

Full Stack Developer

@najmejarray@gmail.com

+21628259497

Kairouan Sud, Kairouan, Tunisia

in linkedin.com/in/najmeddine-jarray

PROFILE

I am a Full-Stack developer with expertise in web and mobile development. I have worked with various companies and as a freelancer, mastering technologies like Angular, Flutter, Node.js, Nest.js and Flask. I also have experience in Machine Learning, MySQL and PostgreSQL databases, as well as DevOps tools like Git and Docker, Docker-compose. I am passionate about development and modeling, and I enjoy collaborating closely with the team to deliver high-quality solutions.

EXPERIENCE

Full Stack Developer | Internship PFE

Pristini Knowledge Group @APICEM

February 2023 – June 2023

Sousse, Tunisia

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.
- **Technologies:** Flutter, Flask, Rasa, NLP, Machine Learning, Deep Learning, PostgreSQL.

Full Stack Developer | Summer Internship

EURO TECH CONSEIL

June 2022 – July 2023

Kairouan, Tunisia

Design and development of an electronic document signing platform.

- **Sign Now** 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.

CERTIFICATES

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



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, NLP
- **Soft:** Communication, Leadership, Motivation, Coordination, Adaptability, Teamwork, Problem-Solving, Time and Stress Management
- **Languages:** JavaScript, Type Script, Java, Python, Dart,

LANGUAGES

- Arabe C2
- French 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:** Responsibilities included implementing features, testing, and optimizing the application.
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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:** Developed modules for insurance policy management, claim tracking, towing, medical assistance, vehicle rental, and notifications.
 - **Tasks:** Responsibilities included developing features, creating a UI, integrating APIs, testing and validation.
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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 and equipment management, client management, driver management, usage tracking, and invoice management.
 - **Tasks:** Responsibilities included front-end design with Flutter, back-end development with Node.js, testing, validation.
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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, and online payment system.
 - **Tasks:** Implemented features for managing services and providers, integrated online payment system, testing.
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Design and development of a platform for classifying COVID-19 radiological images.

Angular | Angular-Material | Flask | Machine Learning | Deep Learning | PostgreSQL

📅 June 2023 – September 2023

- **Tasks:** Collected and prepared data, trained models, evaluated performance, developed user interface, and integrated classification features.
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Development of a control unit and IoT application for monitoring and controlling a smart agriculture system

Angular | Flutter | Flask | Raspberry PI | PostgreSQL

📅 October 2022 – December 2022

- **Developed Modules:** sensor and actuator management, data collection, IoT device integration (Raspberry Pi), and UI/UX.
- **Tasks:** Responsibilities included data collection, model training, UI/UX development, and testing and validations.