

MOHAMED FAROUK AYADI
SOFTWARE ENGINEER (Web and Mobile Developer)

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SKILLS

- **Mobile development** : Flutter, Dart
- **Frontend development** : Html, css, javaScript, VueJs, React
- **Backend development**: Node js, express js, Php, Symfony
- **Devops tools** : Docker, Kubernetes, Jenkins
- **Database**: Mysql, MongoDB, PostgresSQL

PROFESSIONAL EXPERIENCE

KNOWLEPSY: WEB AND MOBILE DEVELOPER
2023-Present

Lisbon, Portugal

PROJECT: SEIZURE FORECAST BY KNOWLEPSY:

A mobile application developed in **Flutter** designed for individuals living with epilepsy and their caregivers offering real-time seizure alerts, personalized trigger tracking, and comprehensive management plans : [Seizure Forecast by Knowlepsy on the App Store \(apple.com\)](#)

TASKS:

- Collaborated with a **6-person team** to develop **medical IOT software** that address epilepsy challenges.
- Assisted in creating a **Flutter app (ALLY)** for monitoring the health of epilepsy patients.
- Established Bluetooth (**BLE**) connectivity between **ALLY** and a wearable bracelet for near-perfect data transmission and retrieval.
- Created **persistent background services** that retrieve and store data even if the user kills the app
- Leveraged **Getx** to enhance state management in **Flutter**.

PROJECT: KNOWLEPSY CORPORATE WEBSITE :

knowlepsy corporate website developed in **React /Express js** aimed at introducing the company’s mission, showcasing its services, and managing customer subscriptions: [Knowlepsy](#)

TASKS:

- Led the launch the implementation of a **responsive** design assuring good **user experience** and smooth **UI**
- Integration of an **onboarding** section that guide the user from first step through subscribing and buying knowlepsy services
- Integration of a **third-party** service **Recurly** resulting in facilitating subscriptions management and online paying enhancing user satisfaction by **80%**
- Spearheaded containerization efforts using **Docker**, streamlining application **deployment** on **Azure Kubernetes Service (AKS)**
- Creation of a different secure Kubernetes Cronjobs for backing up databases
- Managing Ip addresses changements by implementing **clusters Ingress controller**
- Generating **Unit tests** with **Jest** and **Integration tests** to ensure well-functioning of the entire system.

SPARK IT: WEB DEVELOPER
2022-2023

Sfax,Tunisia

PROJECT: HR PLATFORM:

A web application developed in **vue js** designed to integrate the **Stark ERP** system with a dedicated HR application providing a dynamic space for employee engagement and fostering a connected company culture

TASKS:

- Spearheaded the creation of an **HR Platform** using **Vue.js** and **Express**. It streamlines **HR** tasks and offers an internal social media platform for employees.
- Strengthened **security** measures of the **HR Platform**, achieving a **30%** enhancement in data integrity by **implementing SSDLC** and performing **a risk assessment**.
- Leveraged **Pinia** and **Vue Composition API** to achieve a **20%** reduction in **frontend** development time
- Integrated **REST APIs** using Express.js with Stark ERP, resulting in a **30% boost in ERP sales**
- Applying SCRUM framework with different teams and performing **sprint plannings, daily meetings, sprint reviews and retrospective meetings**

PROJECT: HAYS STAFF:

A web application developed in **Angular/Symfony** designed to streamlines recruitment processes by seamlessly guiding candidates through various workflows accelerating the entire recruitment journey.

TASKS:

- Upgrading the entire application from Symfony 3.3 to 5.4 resulting in a significantly improved performance by **80%**
- enhancing security measures and resolving issues and **bugs** caused by deprecated bundles increasing client's satisfaction by **70%**
- introducing new recruitment **workflows**, enhancing the application's flexibility.

EDUCATION

ENETCOM (NATIONAL SCHOOL OF ELECTRONICS AND COMMUNICATIONS)
Master degree (IT Software engineering)

Sfax , Tunisia
2019-2022

IPEIS (PREPARATORY INSTITUTION OF ENGINEERING STUDY)
Bachelor's in software engineering

Sfax , Tunisia

CERTIFICATES

- DOCKER-TRAINING-COURSE-KODEKLOUD
- KUBERNETES FOR THE ABSOLUTE BEGINNERS-KODEKLOUD
- JENKINS- KODEKLOUD
- Angular + Nest js- SoloLearn