MOHAMED FAROUK AYADI
SOFTWARE ENGINEER (JavaScript Developer)

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SKILLS

- **Vue js , Express , Flutter , Dart , Html , Css , Sass , JavaScript , Typescript, React , Node js , Docker , Kubernetes , Jenkins , CI/CD pipelines , Azure**

PROFESSIONAL EXPERIENCE

KNOWLEPSY   **Lisbon, Portugal**
2023-Present

- 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**.
- Led the launch of a **Vue.js 3/Express js**: Doctor platform (integrated with **ALLY**) to manage epilepsy data with **98%** accuracy.
- Led the creation of a **MongoDB database** to store essential data for individuals with epilepsy, including factors like heart rate and skin conductivity and seizures.
- Enhanced the platform with **JavaScript WebSocket** for **real-time** epilepsy data (factors that lead to seizure) dashboarding, boosting capabilities by **40%**.
- Ensured robust communication between wearable, the **ALLY** mobile app, and decentralized **servers.**
- Generated **Unit tests** with **Jest** and **Integration tests** to ensure well-functioning of the entire system.
- Applied **responsive design** principles, ensuring the application's adaptability across various devices and screen sizes, resulting in improved **user satisfaction** by **40%.**
- Spearheaded containerization efforts using **Docker**, streamlining application **deployment** on **Azure**
- Led the deployment on **Azure Kubernetes Service (AKS)**, leveraging **Kubernetes** to manage and scale applications workloads efficiently, increasing **scalability** efficiency by **60%**
- Established a robust Continuous Integration/Continuous Deployment **(CI/CD)** pipeline using **Jenkins**, automating and accelerating the software development lifecycle by **30%**.

SPARK IT   **Sfax,Tunisia**
2022-2023

- 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**

EDUCATION

ENETCOM (NATIONAL SCHOOL OF ELECTRONICS AND COMMUNICATIONS)	Sfax , Tunisia	
Master degree (IT Software engineering)	2019-2022	
IPEIS (PREPARATORY INSTITUTION OF ENGINEERING STUDY)	Sfax , Tunisia	
Bachelor's in software engineering	2017-2019	