





# BAYOUDHI FIRAS

## JUNIOR IOT DEVELOPER

### CONTACT

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 Av. Nouvelle , 1040 Etterbeek, Belgium

### AREAS OF EXPERTISE

- PHP,Mern Stack,Web API experience.
- Python , C/C++ and Java
- Embedded Systems:microcontrollers, sensors, and actuators
- Protocols :MQTT, CoAP, HTTP, and WebSockets
- Networking: TCP/IP, UDP, DNS, and routing principles for IoT device connectivity.

### EDUCATION

**MEng in Applied Computer Science  
MACS  
Vrije Universiteit Brussel VUB**  
2023-present

Specializing in Smart Cities

**BSc in Computer Systems Engineering**

**University Of Sousse**  
2020-2023

Specializing in Internet of Things IoT  
& Embedded systems

### LANGUAGES

English **B2**

French **C1**

Italian **A1**

### PROFILE

A Junior IoT (Internet of Things) developer with a strong background in computer science and electrical engineering. Proficient in Python, Java, and adept at creating and implementing connected devices and systems. Passionate about leveraging technology for innovative solutions to real-world challenges. Actively seeking opportunities to apply skills for meaningful contributions in IoT. Holder of a Bachelor's degree in Computer Systems Engineering from ISITCOM.

### WORK EXPERIENCE

#### Junior IoT Developer

Effia Belgium - Part Time

10/2023--Present

- Designing and implementing IoT solutions to enhance parking management efficiency.
- Selecting and integrating suitable IoT devices and sensors.
- Collaborating with the development team for smooth implementation of IoT features.
- Ensuring the security and reliability of the IoT network.
- Aligning technical solutions with business objectives and client needs.
- Providing expertise in IoT technologies to optimize user experience and operational processes.
- Conducting tests on various parking hardware under different scenarios to assure normal operation and behavior.

#### Junior IoT Developer Intern

VIVIA

01/2023--08/2023

Development of an End to End solution for parking management at Effia Belgium.

- Design and development of a complete parking management solution for Effia Belgium, a subsidiary of the Keolis group, using an agile approach based on the Scrum method.
- Analysis of business needs and specification of functional and non-functional requirements.
- Rigorous testing of the solution, including functional, performance and security testing.

#### Fullstack Web Developer Intern

DRÄXLMAIER Group Tunisia

06/2022-07/2022

- Description: Web Based Application for object recognition
- Technologies: Flask, Bootstrap, Html, Css, JS database:Sqlite with SQLAlchemy as ORM

<https://github.com/bayoudhi/web-based-application-object-detection>