

# Ilies Reda Merzouk

Full-Stack Developer | Software Engineer

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## SUMMARY

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I'm a Full Stack Developer with a passion for building web applications. Currently seeking opportunities to further develop my skills in a professional setting.

## PROFESSIONAL EXPERIENCE

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### *Software Engineer*

*Feb 2024 – Sep 2024*

#### **iDEA LAB (Universita Della Calabria)**

Rende, Italy

- Designed and implemented advanced systems based on complex research papers.
- Set up and managed Docker infrastructure for seamless integration of *Apache Kylin* with *Apache Superset* to enhance data analytics capabilities.
- Contributed to research papers by writing, structuring, conducting complex experiments, and implementing necessary systems for research support.

### *Research Intern*

*Mar 2023 – Jul 2023*

#### **Lias laboratory (École Nationale Supérieure d'Ingénieurs de Poitiers)**

Poitiers, France

- Implementation of an autonomous materialized view management system that improves database performance (PostgreSQL) and energy consumption.
- Developed a neural network prediction model to accurately estimate the execution times of SQL queries.

### *Full Stack Developer*

*Sep 2022 – Mar 2023*

#### **Factory Digitale**

Algiers, Algeria

- Contributing to high traffic projects including *temtemone.com*, which has successfully served a user base of over +500,000 users.
- Close collaboration with design and back-end teams on projects such as *temtemone.com*, *medeo-dz.com* and *factorydigitale.tech*, seamlessly integrating React-based components with back-end APIs.

### *Software Engineer (Intern)*

*Sep 2021 – Oct 2021*

#### **SPE (SONELGAZ Power Company)**

Oran, Algeria

## EDUCATION

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### **Higher School Of Computer Science (ESI)**

*Sep 2018 - Jul 2023*

Master's (Specialty: Information System and Web)

Sidi Bel Abbès, Algeria

### **Higher School Of Computer Science (ESI)**

*Sep 2018 - Jul 2023*

State Engineer (Specialty: Information System and Web)

Sidi Bel Abbès, Algeria

## SKILLS

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- **Programming languages:** Python, Java, Javascript/HTML/CSS, Typescript, SQL
- **Frameworks & libraries :** React.js, Next.js, Node.js, Express.js, Redux, Tailwind
- **Tools:** Git, Linux, Docker, PostgreSQL, MySQL, SQL Server, MongoDB, FireBase
- **Languages:** English (Fluent) | French (Professional) | Arabic (Native)