




Ilies Reda Merzouk

Full-Stack Developer | Software Engineer

 Github |  LinkedIn |  merzouk-ilyes.me |  merzouk.ilyase@gmail.com | Rende, Italy

SUMMARY

I'm a software engineer from Algeria, recently graduated from an engineering school. I had the chance to gain a valuable experience working in concrete environments while still being a student. My goal is to continuously learn and grow in my career, as I believe the technology industry offers tremendous growth opportunities. My driving force lies in creating projects with a positive impact on users.

PROFESSIONAL EXPERIENCE

Data 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

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

- **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)