# Jean Abou Moussa

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## WORK EXPERIENCE

**Amazon Web Services**                                                                 **Dublin, Irlande**
*Software development engineer, Intern, NDA*                                           *May - Sept. 2023*
- Designed innovative technologies in a large distributed computing environment
- Built distributed storage, index, and query systems that are scalable, fault-tolerant, and easy to manage/use.
- Developed the ability to design and code solutions starting with broadly defined problems.
- Worked in an agile environment to deliver high-quality software.

**Kwyk**                                                                                **Paris, France**
*Back-end developer, Intern*                                                           *June - Aug. 2022*
- Developed over 300 high-school level mathematics, physics, and chemistry exercises in **Python**.
- Managed the random generation of different statements and adaptation of values and data proposed to students to make each exercise unique.
- Maintained and improved student response verification systems on a platform used by over 150 000 students around the world.

**ETIC INSA Lyon**                                                                      **Lyon, France**
*IT Consultant, Independent*                                                           *Feb. - Sept. 2022*
- Elaborated detailed scheduling and quotes of projects, advised clients, and clarified their specifications.
- Coded **Java/JavaFX** applications which analysed production data and provided graphs and visualisations for one of the world's leading machinery manufacturing companies.
- Managed deployment of the application which is now used internally by over 100 employees in Europe.

**Jad Coaching**                                                                        **Lausanne, Switzerland**
*Front-end developer, Volunteer*                                                       *Jan. - Dec. 2019*
- Designed and developed 15 different web pages using **React**.
- Used Google Analytics to help guide marketing strategies, resulting in a 35% increase in visits between 2018 and 2019.

## EDUCATION

**INSA Lyon (National Institute of Applied Sciences)**                                  **Lyon, France**
*Engineering studies specialising in computer science*                                 *2021 - Present*
- Analysis, Web development, Database management, Operating systems, Algorithmic, Machine Learning.

*Preparatory classes*                                                                  *2019 - 2021*
- Maths, Physics, Thermodynamics, Mechanics, Chemistry.
- Overall GPA the year of the ranking: **3.9/4.0**, First Class Honours, ranked in the top 2% of the promotion.

**Saint-Joseph**                                                                        **Thonon-Les-Bains, France**
*Scientific Baccalaureate, A-Level equivalent*                                         *2016 - 2019*
- Overall grade: **17.05/20**, Graduated with high honours, A*A*A* equivalent.

## SKILLS

- **Languages:** French (*Native*), English (*C1 Level*), Arabic (*Bilingual*), Mandarin (*Beginner level*).
- **Programming languages:** C, C++, Java, Python, R, JavaScript
- **Web development:** HTML, CSS, React.
- **Database management:** PL/SQL, MongoDB.
- **AI:** Numpy, Scikitlearn, TensorFlow, supervised/unsupervised learning, deep learning, NN, reinforcement learning
- **Other:** AWS, Git, Linux, Algorithmic, Competitive programming
- **Professional certificate:** Google data analytics course *(data analysis and visualisation)*.

## INTERESTS

**Competitive Programming**
- Participated in the 2021/2022 **SWERC ICPC** at *Politecnico di Milano*.

**Basketball**
- Played D1 basketball for 4 years in the INSA Lyon team.