



# Ibrahim Adlani

SOFTWARE ENGINEER

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## EXPERIENCES

JUN 24' — SEP 24'

**Software Engineer, Intern · Septentrio**  
Leuven, Flanders, Belgium

- Developed file encryption and calculation tools, improving hardware engineers' workflow efficiency.
- Automated interactions between engineering tools and data center machines, facilitating seamless operations.
- Utilized Python and Django to streamline the development of high-impact internal tools for technical teams.

[Python](#) [JavaScript](#) [Django](#) [React](#) [TailwindCSS](#) [Jenkins](#) [Figma](#) [Matlab](#) [GitLab](#)

MAY 23' — JUN 24'

**Software Engineer, Apprentice · Deezer**  
Paris, Île-de-France, France

- Enhanced web application quality through rigorous testing methodologies using Django, React, and Kubernetes within Agile frameworks.
- Led the UX design of a complex prototype using Figma, optimizing user experience and functionality.
- Developed and deployed RESTful APIs, improving backend services and front-end user interactions.
- Spearheaded front-end development projects, ensuring alignment with coding standards and best practices.
- Trained in QA automation tools (Appium, Selenium), resulting in higher application reliability across Android & iOS platforms.

[Python](#) [Django](#) [HTML & CSS](#) [Bootstrap 5](#) [JavaScript](#) [Jenkins](#) [Docker](#) [GitHub](#)

SEP 21' — MAY 23'

**Software Engineer, Apprentice · IBM**  
Lille, Hauts-de-France, France

- Delivered robust and optimized Python solutions for both internal and client-facing projects, enhancing software performance.
- Led client-driven technical projects, ensuring timely delivery and addressing key technical requirements.
- Increased team efficiency by automating repetitive processes with Python and Bash scripts, boosting productivity by over 20%.
- Collaborated cross-functionally with engineering, infrastructure, and client teams to deliver high-quality software solutions.

[Python](#) [Shell](#) [QRadar](#) [IBM SOAR](#)

APR 21' — JUN 21'

**Software Engineer, Intern · Département des Ardennes**  
Charleville-Mézières, Grand-Est, France

- Designed and developed a PHP interface integrating ticketing systems between the Ministry of Education and JIRA platforms, streamlining departmental workflows.
- Automated XML parsing from an email system, optimizing data processing and communication.
- Architected MySQL databases for efficient storage and retrieval of parsed elements.
- Created a JavaScript-based single-page application to manage department laboratory inventory.

[PHP](#) [GLPI](#) [SMTP](#) [Shell](#) [PostgreSQL](#)

SEP 20' — APR 21'

**Software Engineer, Apprentice · Enedis**  
Reims, Grand-Est, France

- Developed and ship highly interactive web services that allow regional managers across the country to track their human and financial resources and make more data-driven decisions.
- Designed and implement an optimized MySQL database following the Boyce-Codd Normal Form on a headless CentOS server.

[PHP](#) [MySQL](#) [Bootstrap 4](#) [Shell](#)

I'm a software engineer specializing in Python, Django, and JavaScript, with a strong background in cloud technologies and cybersecurity. My experience at companies like IBM and Deezer has allowed me to build high-impact tools and applications, optimize APIs, and automate workflows for improved efficiency.

## EDUCATION

SEP 22' — AUG 24'

**Master of Engineering, Computer Science**  
CY Tech · Cergy, Île-de-France, France

[GPA 3.5](#) [Software Engineering](#)

SEP 21' — AUG 22'

**Bachelor of Engineering, Computer Science**  
CY Tech · Cergy, Île-de-France, France

[GPA 3.5](#) [Infrastructure](#)

SEP 19' — AUG 21'

**Associate Degree, Computer Science**  
UPHF · Maubeuge, Hauts-de-France, France

[GPA 3.7](#) [Software Engineering](#)

## SKILLS

### Programming Languages

MAIN → Python, JavaScript, SQL, Bash

SECONDARY → Java, PHP, Rust

### Technologies

Django, React, TailwindCSS, Bootstrap, Github Actions, Jenkins, Selenium, Docker, Firebase, Kubernetes, MySQL, PostgreSQL, Jest, PyTest, Figma (UX/UI), Git, Github, AWS (EC2,S3, R53)

### Languages

French (Native), English (Fluent), Spanish (Intermediate)

[TOEIC 965/990](#) [View my diploma](#) ↗

## CERTIFICATIONS

JAN 2020

**Cyber Security Operations and Tech Solutions**  
IBM

[IBM SOAR](#) [Cyber Security](#) [View my certification](#) ↗

NOV 2021

**Data Visualization**  
freeCodeCamp

[D3.js](#) [JavaScript](#) [View my certification](#) ↗

NOV 2021

**JavaScript Algorithms and Data Structures**  
freeCodeCamp

[JavaScript](#) [View my certification](#) ↗

JAN 2021

**Scientific Computing with Python**  
freeCodeCamp

[Python3](#) [View my certification](#) ↗