

# Oussama ZAAM

Motivated Software Engineer Student with a strong academic background in software engineering.

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## Education

### Software Engineering

National Institute of Posts and Telecommunications - INPT

Courses: Algorithms, DevOps, Web Apps, Mobile Apps, Microservices, Cloud Computing, Agility, Project Management.

Rabat, Morocco

Sep. 2021 - Present

### Preparatory Classes, Maths & Physics (MP)

CPGE - Ibn Tahir High School

Errachidia, Morocco

Sep. 2019 - Jul. 2021

## Work Experience

### Alee Conseil

INTERNSHIP - SOFTWARE ENGINEER

- Development and deployment of a showcase website and management of purchase orders (backend) while respecting DevOps techniques.
- Worked on the site's Search Engine Optimization (SEO) and its relevance in Google search results.
- Designing and Developing of the frontend of an E-learning website.
- Role-based authentication management.
- **Technologies:** Typescript, Figma, Next.js, MongoDB, Github Actions, Vercel, Google Search Console / Insights

Rabat, Morocco

Jun. - Aug. 2023

### Institut agronomique et vétérinaire Hassan II - IAV

INTERNSHIP - FULLSTACK DEVELOPER

- Developing a Website that provides a range of features and tools that are specifically tailored to the needs of the agricultural industry.
- Creating a system that rates the batiments/tools/facilities of the industry based on ISO.
- **Technologies:** Java, Spring, React.js, MongoDB, Railway, Heroku

Remote Work

Jul. - Sep. 2022

## Projects

### Community Package NextScrambler

Encrypt and decrypt images with a private key

- Built to encrypt and decrypt images with a private key, to help websites protect their images from being stolen.
- **Technologies:** Typescript, Next.js, HTML Canvas

Jun. 2023

[View Project](#)

### YouScout

A mobile application that helps young people showcase their skills in sports, and helps managers in scouting.

- **Frontend:** Cross-platform application using **React Native**.
- **Backend:** Followed a **MicroServices** Architecture:
  - Developing: using **Spring**
  - CI/CD: **GitLab + ArgoCD**
  - Deployment: **Azure Cloud + Kubernetes**
- **Technologies:** Java, Spring, React Native, GitLab, ArgoCD, GitOps, Docker, Kubernetes, Azure Cloud.

Feb. - Jun. 2023

[View Project](#)

### rankMyOutfit

To help people choose their best outfits using AI, or using other people's ratings.

- Developed a mechanism to choose/slide up to 4 images to compare, crop them to fit a 9x16 portrait, and upload them to share.
- Created different rating systems, a rating system for one-single image (1 to 5), and a voting system for more than one image.
- **Technologies:** Javascript, Node.js, TensorFlow, Python, Tailwind.

Mar. - May. 2023

[View Project](#)

### NutriLab

Website + Mobile Application to build the most optimized diet

- Developed to build the most optimized diet based on users' information and needs, and to track their daily food list.
- Built with **Next.js** and **Django**.
- A mobile version for this website using **Java**.
- **Technologies:** Java, Next.js, Python, Django, Android Studio.

Feb. - Apr. 2023

[View Project](#)

### Website Bepper

A meal planner

- Developed to plan meals for users based on their information and needs.
- Uses a **Django backend** to find the combination of foods to create the meal the most responding to their needs.
- **Technologies:** Javascript, Python, React.js, Node.js, Django.

Oct. - Nov. 2022

[View Project](#)

## Miscellaneous

**Certifications:** Certified Kubernetes Application Developer CKAD , TOEIC B2

**Extracurricular:** Second Place in **Fintech Hackathon** - March 2023, Japanese Club

**Language:** Java, JavaScript / TypeScript, Python, SQL, Bash

**Skills:** DevOps, Mobile Development, Software Development, Cloud Computing, Web Development, Automation

**Interests:** Japanese Culture, Graphic Design, Gaming.