

# HOUSNI Badreddine-Software engineer

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## EDUCATION

### ENSIAS

State Engineer in Software Engineering

Rabat, Morocco

Alumni 2024

### Mohammed V Preparatory Classes

Maths-Physics (MP) Track

Casablanca, Morocco

### Errazi High School

Mathematical Sciences B

Settat, Morocco

## PROFESSIONAL EXPERIENCE

### SQLI Digital Experience (End-Of-Study Project)

Full-Stack Developer Intern

Rabat, Morocco

Hybrid, (5 months)

- Contribution to the data migration for the client Thales to a Drupal site by developing the 'Thales Migration' module.
- Skills : Visual Paradigm, Visual Studio , PHP, Drupal, bash, Overleaf, Linux OS.

### Atlantic Machinery Manufacturing

Full-Stack Developer Intern

Settat, Morocco

Hybrid, (2 months)

- Design and Development of a web application for customer visit management using SCRUM Method.
- Skills : Visual Paradigm, Visual Studio , XAMPP, Laravel, VueJS, MySQL, Bootstrap, HTML, CSS, PHPMyAdmin, Git, GitHub, Jira, Word.

### Lenddoo

Software Engineer Intern

Dubai, UAE

Remote, (4 months)

- Development of a chatbot for the evaluation of the eligibility of credit files with my partner.
- Skills : Node.js/Python-Flask-Twillio API, MySQL, Git, GitHub, Jira, Overleaf.

### Ministry of National Territory Planning, Urban Planning, Housing and City Policy

Software Engineer Intern

Settat, Morocco

On site, (2 months)

- Design and Development of a web application for a leave management using SCRUM Methodology.
- Skills : Visual Paradigm, Visual Studio , XAMPP, MySQL, PHP, JavaScript, Bootstrap, HTML, CSS, PHPMyAdmin, Git, GitHub, Jira, Word.

## PROJECTS

### A distributed system for attendance monitoring and management

ENSIAS

3 months

- Edraw Max, Arduino, Visual Studio Code, Spring Boot, Angular, REST API, IntelliJ IDEA, PostgreSQL, Postman, Git, Github, Docker.

### A distributed system for sports event management

ENSIAS

3 months

- Visual Paradigm, Visual Studio Code, Spring Boot, Angular, REST API, Git, Github, Docker.

### Development of a hitch-hiking web system

ENSIAS

3 months

- Apache, XAMPP, MySQL, PHP, HTML, CSS, PHPMyAdmin

## OTHER ACADEMIC PROJECTS

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### Development of a Compiler for the HOBY Language

ENSIAS

- C Language, Grammar  $G = \langle S, T, NT, RP \rangle$ , Lexer (Data.h file, Tokens list, Lexer functions), Syntax Analyzer (Syntax Tree, Syntax Analyzer functions, Syntax Analyzer results).

### Development of a Compiler for the mini-C Language Using the C Language

ENSIAS

10 weeks

- C Language, Grammar  $G = \langle S, T, NT, RP \rangle$ , Lexer (Data.h file, Tokens list, Lexer functions), Syntax Analyzer (Syntax Tree, Syntax Analyzer functions, Syntax Analyzer results).

### Development of a COVID-19 Patient Management System

ENSIAS

2 months

- C Language, Data structures (Linked Lists).

### Entrepreneurial Culture Project for In-Home Dog Grooming Services

ENSIAS

2 months

- Idea presentation, market research, marketing strategy, resource evaluation, cost estimation, financial viability assessment, legal status of the business.

### Integration of the Process of Drafting and Adoption of a Bill in Morocco

ENSIAS

1 month

- BonitaSoft 2023.1, BPM, BPMN, Workflow, User stories, Happy Path.

### Integration of Procurement Processes through Tendering

ENSIAS

3 weeks

- BonitaSoft 2023.1, BPM, BPMN, Workflow, User stories, Happy Path.

## SKILLS

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**Programming Languages :** Java, PHP, Python, C, JavaScript, SQL, R, x86 Assembly, bash.

**Frameworks/CMS :** Spring, Angular, Laravel, VueJS, Bootstrap, Drupal.

**Modeling :** UML, MERISE.

**DBMSs :** Oracle Database, SQL Server, MySQL.

**Tools :** Apache, XAMPP, Packet Tracer, Overleaf.

**Cloud Computing :** AWS, IBM Cloud, GCP, Microsoft AZURE.

**CI/CD :** Git, GitHub, Gitlab, Docker.

**Languages :** Arabe, Français, Anglais.

## CERTIFICATES

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**Artificial Intelligence Analyst Certificate :** IBM

**Big Data Engineer Certificate :** IBM

**Create your website with HTML5 and CSS3 :** OpenClassrooms

## HOBBIES AND PERSONAL LIFE

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**Sports:** Running, Football

**Family**