

Achraf ABBES

Software Architecture Engineer

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📍 El Ghazela , Ariana, Tunisia



Software Engineer and Developer, I shape robust backend solutions using Spring Boot, Java, Symfony, incorporating advanced security with Keycloak, Spring Security, and JWT. For continuous integration, I utilize Docker and Jenkins. My expertise extends to the frontend with Angular, emphasizing quality through JUnit for rigorous automated testing. I have led various projects, attesting to my ability to deliver high-performance software solutions.

SKILLS

Programming	Java , C# , PHP , Javascript , Typescript ,HTML , CSS
Frameworks	Spring, Spring Boot, Angular, Symfony , .Net
Databases	MySQL, PostgreSQL,MongoDB
Development Tools	IntelliJ Idea , Eclipse , Visual Studio Code,PHPStorm,Maven,Git
Operating Systems	Windows,Ubuntu,Centos
Others	Spring Security, Keycloak, JWT, Eureka Server, Architecture Microservices, Gateway, Langage XML, DEVOPS, Jenkins, Sonarqube, JUnit

PROFESSIONAL EXPERIENCE

September 2023	Engineering Internship Web Development, KC-LEGAL, Montreal, Canada (Remote)
June 2023	Design and development of the "Curiam" application for managing law firms' accounting, law office subscriptions, and orderly client file management.
	Accomplished Tasks : <ul style="list-style-type: none">➤ Implementation of JWT authentication to secure access and generate tokens.➤ Use of Spring Security to regulate permissions and enhance security.➤ Integration of a Java library for two-factor authentication.➤ Development of a task management system for planning and tracking.➤ Implementation of an organized structure for client file management and filtering.
	Development Methodology : Agile Scrum
	Spring Boot 2.7 Java 8 Angular 14 Spring Security MySQL Bootstrap 5 Scrum

LANGUAGES

French ●●●●○
English ●●●●○

STRENGTHS

- Fast learner
- Passionate
- Team player

EDUCATION

2018-Present	Engineering program,software engineering specialization (ESPRIT, Ariana)
2018	Bachelor's degree in experimental sciences (Wafa High School)

PROJECTS

FREELANCE PROJECT : FASSARLY

2023 - PRESENT

 <https://achraf66.github.io/FasarlyDeploy/acceuil>

Creation of an interactive online learning platform for high school students, providing video lessons, PDF documents, and additional resources.

Accomplished Tasks :

- Establishment of the showcase page using Angular and Bootstrap.
- Authentication with JWT and Spring Security.
- Dynamic addition of available courses and details of video/PDF lessons.
- Implementation of an administrator dashboard.

Development Methodology : Agile Scrum

Java 17 Spring Boot 3.1.5 Angular 14 PostgreSQL Scrum

CI/CD DevOps PROJECT

SEPTEMBER 2023 - NOVEMBER 2023

<https://github.com/Achraf66/5SAE2-G6-Khadem>

Creation of a CI/CD pipeline for a Spring Boot application developed last year, as well as for an Angular application.

Accomplished Tasks :

- > Code quality check using SonarQube.
- > Integration of unit tests with JUnit.
- > Configuration of continuous delivery with Docker, Jenkins, and Nexus.
- > Addition of monitoring using Grafana and Prometheus.

Maven SonarQube JUnit Docker Jenkins Nexus Grafana

DEVELOPMENT PROJECT : EVENT PLATFORM

SEPTEMBER 2023 - NOVEMBER 2023

<https://github.com/achrafabbes99/CulTechConnect-5SAE2>

Design and development of a modern event platform focused on facilitating the planning, organization, and participation in cultural and educational events.

Accomplished Tasks :

- > Design and development of a microservices architecture.
- > Integration of social login with Google and Facebook.
- > Implementation of real-time chat with WebSocket.
- > Creation of a user management system and their profiles.
- > Dockerization of microservices.

Development Methodology : Agile Scrum

Spring Boot 2.7 Java 8 Angular 13 Mysql 5.7 Bootstrap 4 Spring Security Docker Desktop Eureka Server

DEVELOPMENT PROJECT : INTERNATIONAL MOBILITY

FEBRUARY 2023 - MAY 2023

<https://github.com/PIDEV-4SAE-2223/4sae2-codeaholics-codeaholics>

Designed and developed an innovative application dedicated to international mobility, aiming to significantly improve the experience of traveling abroad for students. Accomplished tasks include designing a microservices architecture, implementing authentication and registration with Keycloak, developing a user management module, and integrating Stripe for online payments. Followed the Unified Process (UP) development methodology.

Accomplished Tasks :

- > Designed a microservices architecture.
- > Implemented authentication and registration using Keycloak.
- > Developed a user management module.
- > Integrated Stripe for online payments.

Development Methodology : Unified Process (UP)

Spring Boot 2.7 Angular 14 Keycloak 15 MYSQL 5.7 Java 8

FREELANCE PROJECT : "MEUBLE C DESIGN E-COMMERCE"

JULY 2022 - SEPTEMBER 2022

<https://github.com/Achraf66/Cenpieces>

Design and implement an e-commerce platform specialized in furniture and interior furnishings, specifically catering to the needs of the 'Meuble C Design' brand.

Accomplished Tasks :

- > Designed and developed the electronic shopping cart system.
- > Implemented the order process, including order validation.
- > Implemented a product filtering system for furniture by categories.
- > Administrator dashboard for user management.

PHP Symfony CSS Bootstrap Twig