Adem SAKLI
Full Stack Software Engineer
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 linkedin

PERSONAL PROFILE

Full-Stack Software Engineer with 2 years of solid experience, passionate about Full-Stack development. Rigorous and with a strong learning capacity, I am ready to invest myself in innovative projects and leverage my skills within a dynamic team as a Full-Stack Developer.

SKILLS

PROGRAMMING LANGUAGES	Java	Javascript	Typescript	Python	PHP	SQL
BACKEND FRAMEWORKS & LIBRARIES	Spring Boot	Node.js	Express.js	NestJs
FRONTEND FRAMEWORKS & LIBRARIES	Angular	React	Tailwind CSS
DATABASES	IBM db2	PostgreSQL	MySQL	MongoDB
ARTIFICIAL INTELLIGENCE	Machine Learning	Scikit-learn	TensorFlow	Keras	Pandas	Numpy
DEVOPS	Docker	Kubernetes	GitLab CI/CD
MODELING & PROJECT MANAGEMENT	UML	Scrum	Jira
LANGUAGES	*French:* Fluent *English:* C1 *Spanish:* B2

PROFESSIONAL EXPERIENCE

INTERNSHIP: FULL STACK DEVELOPER
April 2025 - September 2025

CRÉDIT AGRICOLE TECHNOLOGIES & SERVICES – MONTPELLIER
• **Redesign and evolution of an internal testing and monitoring tool (OIS).**
Architectural redesign mission of an application (BFF, Frontend) and creation of new backend services to transform the tool into a robust microservices ecosystem, from design to production deployment.
Achievements:
•Design and creation of new REST APIs via microservices in Java/Spring Boot.
•Development of the user interface with Angular to consume these APIs.
•Implementation of unit tests (JUnit/Mockito) to ensure code quality.
•Integration of developments into a CI/CD pipeline for continuous deployment on Kubernetes.
Technical Environment: Java 21, Spring Boot, Angular, TypeScript, NestJS, Node.js, Microservices, REST API, IBM DB2, JUnit, Mockito, Docker, Kubernetes, GitLab CI/CD, Jira

FREELANCE PROJECT: E-COMMERCE WEBSITE (SOLD)
January 2024 - June 2024

FULL STACK DEVELOPER
• **Development of an online sales platform with a dedicated administration interface.**
Project completed and sold, validating its market relevance.
Achievements:
•Creation of a complete back-office for product, inventory, and order management.
•Development of the storefront for product presentation and sales.
•Integration of a secure online payment system for transactions.
Technical Environment: PHP, MySQL, JavaScript, Bootstrap, UnitTest, AJAX

INTERNSHIP: FULL STACK DEVELOPER
June 2024 - August 2024

LIS (COMPUTER SCIENCE AND SYSTEMS LABORATORY) – POLYTECHNIQUE MARSEILLE
• **Development of a dashboard for the European VPP4ISLANDS project.**
Design and implementation of a web application for energy data visualization and analysis.
Achievements:
•Development of a REST API with Node.js to collect and expose data from PostgreSQL database.
•Creation of the user interface and interactive components (charts, tables) with React.js.
•Containerization of the application (frontend, backend) with Docker to facilitate deployment.
Technical Environment: React.js, Node.js, PostgreSQL, Docker, Bootstrap, Python, FastAPI, GitLab CI/CD

INTERNSHIP: ROBOTICS AND EMBEDDED SYSTEMS DEVELOPER *June 2022 - September 2022*

ENOVA ROBOTICS – SOUSSE

• **Development of a connection validation system for autonomous robots.**
Mission focused on improving the automatic recharging process of robots, ensuring reliable detection of connection to the charging station.
Achievements:
•Analysis of a self-docking system based on camera vision and Augmented Reality (AR) markers.
•Programming of an Arduino board (in C) for battery level measurement.
•Implementation of an LED control system to indicate the robot's connection and charging status.
Technical Environment: C, Arduino, AR, Python

PERSONAL PROJECTS

• **FINAL YEAR PROJECT: SMART MIRROR**
Creation of an innovative interactive mirror with voice recognition, health tracking, and web application control.
Achievements:
•Implementation of facial recognition for personalized interaction.
•Integration of health tracking systems (oxygen saturation, heart rate).
•Development of a web application (React.js) for remote control of the mirror.
Technical Environment: Python, Flask, Node.js, Angular, REST API, Bootstrap, HTML, CSS, OpenCV, AI

• **INTERNATIONAL DELIVERY PLATFORM**
Design and development of a complete platform enabling organization of international shipments.
Achievements:
•Implementation of a search system with multi-criteria filtering.
•Development of an integrated messaging module for user communication.
•Complete management of user accounts and profiles (carriers and clients).
Technical Environment: React.js, Node.js (Express), PostgreSQL, Vite.js, TypeScript, GitHub, PostgreSQL, Sequelize, Socket.IO, Docker

• **Business Management Website**
Web application for complete management of business operations.
Achievements:
•Development of a RESTful API with Node.js/Express for data management.
•Creation of a responsive and modular user interface with Angular.
•Implementation of an authentication and user role management system (JWT).
Technical Environment: Angular, TypeScript, Node.js, Express.js, PostgreSQL, Sequelize

CERTIFICATIONS

• Angular (SoloLearn)
• Web Development: HTML, CSS, Bootstrap, PHP, SQL/MySQL, JavaScript (Shiyar Academy / Sololearn)
• Python for Data Science (Sololearn)
• Python Complete Course For Python Beginners (Udemy)
• Introduction to the Internet of Things and Embedded Systems (Coursera)
• English - Level C1 (EF Standard English Test - EF SET)
• Spanish - Level B2 (Hispania, Escuela de Lengua)

EDUCATION

UNIVERSITY OF BORDEAUX – BORDEAUX, FRANCE *2023 - 2025*

MASTER'S IN COMPUTER SCIENCE

HISPANIA, ESCUELA DE LENGUA – VALENCIA, SPAIN *January 2023 - July 2023*

SPANISH LANGUAGE COURSE (LEVEL B2)

ISSAT SOUSSE – SOUSSE, TUNISIA *2019 - 2022*

BACHELOR'S DEGREE IN EMBEDDED SYSTEMS AND INDUSTRIAL COMPUTING

INTERESTS

• Web Development, Artificial Intelligence, Robotics, New Technologies