

HADIL DEROUICH

Software Engineer · Business Intelligence Engineer · AI & Full Stack Developer

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Computer Engineering specializing in Business Intelligence and Full-Stack Development. Experienced in building scalable web applications, AI-powered solutions, workflow automation, and data-driven platforms using **React.js**, **Node.js**, **Python**, **Power BI**, and **n8n**. Seeking opportunities in Software Engineering or Business Intelligence.



TECHNICAL SKILLS

Business Intelligence & Analytics

Power BI, Power BI Service, Power Apps, Power Automate, Talend, SSIS, ETL, Data Modeling, Data Visualization, SAP, Odoo, CRM

Artificial Intelligence & Data Engineering

Machine Learning, Deep Learning, NLP, LLMs, RAG, GNN, MLOps, TensorFlow, OpenCV

Frontend Development

React.js, Next.js, Angular, Flutter, TypeScript, JavaScript, HTML5, CSS3, Responsive Design

Backend Development & APIs

Node.js, Django, Spring Boot, Symfony, REST API Development, Microservices Architecture

Automation, Databases & Cloud

n8n, Workflow Automation, PostgreSQL, MySQL, Oracle, SQL Server, Database Design, Microsoft Power Platform

Programming & DevOps

Python, Java, TypeScript, PHP, C++, Git, GitHub, Docker, Agile/Scrum

Professional Experience

Software Engineer — Final Year Project (PFE) · Telegencia Labs

- Contributed to the development of **HireCue**, an AI-powered recruitment platform.
- Developed AI-driven recruitment workflows using **n8n**, integrating **LLMs** and **RAG pipelines** to automate sourcing and candidate processing.
- Built scalable frontend and backend applications with **React.js**, **TypeScript** and **Node.js**, exposing **REST APIs**.
- Containerized services with **Docker** and managed source code using **Git/GitHub**.
- Designed interactive recruitment dashboards using **Power BI** for recruiter performance monitoring.

Stack: React.js · TypeScript · Node.js · PostgreSQL · REST APIs · n8n · Docker · Git · GitHub · Power BI · LLMs

01/2026 – 07/2026
Tunis, Tunisia

Frontend & Integration Developer — Internship · HikmaWare

- Developed a high-performance commercial web application using **Next.js**, **React.js** and **TypeScript**.
- Improved application performance and integrated chatbot services through REST APIs and optimized client-side rendering.

06/2025 – 08/2025
Lac1, Tunisia

Full Stack Developer — Internship · MS Transport

- Designed and deployed a full-stack logistics management platform serving 10 drivers and tracking daily operations.
- Developed frontend applications with **React.js** and mobile features with **Flutter**, connected to **Django REST APIs**.

02/2023 – 05/2023
Paris, France (remote)

Web Developer — Internship · Aftercode

- Optimized WordPress website performance through custom front-end development, plugin configuration and theme customization.
- Improved page loading speed, responsive design and overall user experience.

01/2021 – 02/2021
Nabeul, Tunisia

Projects

Integrated Business Intelligence Dashboard

Power BI · Talend · SSMS · ETL · Data Modeling

- Designed and implemented a **Power BI dashboard**.
- Created a **staging area** and built **ETL workflows** with **Talend** and **SSMS**, automating data integration.
- Reduced report preparation time and improved **academic decision-making**.

01/2025 – 05/2025

AI Facial Recognition & Emotion Detection System

Python · TensorFlow · OpenCV · Deep Learning · FER2013

- Developed a convolutional neural network (CNN) facial recognition model using TensorFlow and OpenCV trained on the FER2013 dataset, achieving **85% accuracy**.

02/2024 – 05/2024

Full Stack Health Coaching Platform

Symfony (PHP) · JavaFX · MySQL · OOP · REST API

- Built a comprehensive health coaching web application using Symfony with a companion JavaFX desktop.
- Applied SOLID OOP design principles, MVC architecture, and relational database integration.

03/2025

Education

Kairouan Institute of Higher Technological Studies, Tunisia

Higher Technician Diploma – Information Technology

09/2020 – 06/2023
Tunisia

ESPRIT – Private School of Engineering and Technology, Tunisia

Bachelor's Degree in Software Engineering – Business Intelligence

09/2023 – 07/2026
Tunisia

Certificates

• AWS Academy Graduate-Cloud Foundations

• NVIDIA - Fundamentals of Deep Learning

• Imperial English UK - IELTS English level

• Cisco Networking Academy - Introduction to IoT

Languages

• Arabic - Native speaker

• English - C1 (Advanced)

• French - B2 (intermediate)

• German - B1(intermediate)