

MALAK GRAMI

SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Motivated fresh Software Engineering graduate with 17 months of internship experience across diverse tech environments. Passionate about building innovative solutions and continuously learning new technologies. Proven ability to adapt quickly to different tech stacks and deliver quality results in both internship and freelance settings.

CONTACT

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EDUCATION

Polytechnique Sousse | 2022 – 2025
Software Engineering

Higher institute of Management of Sousse | 2019 - 2022
Bachelor's degree in business intelligence

WORK EXPERIENCE

Final Year Internship - Full Stack & Mobile Developer | 03/02/2025 – 03/06/2025

Celestial Wave Digital (CWD)

- Developed comprehensive SaaS solution for sport club management with JWT authentication and role-based permissions.
- Built subscription management with automated billing, player management with child assignment, and invoice generation.
- Implemented group scheduling system, attendance tracking, and comprehensive quiz/test evaluation with automated and manual scoring.
- Developed microservices chat architecture using Redis, notification system, and multiple dashboards for different user types.
- Created web application (React + NestJS) with parent-child monitoring and mobile app (Flutter) for players.
- Technologies: React, NestJS, Flutter, Redis, JWT, Docker, Jest and Github.

Summer Internship - Full Stack Developer | 15/06/2024 – 15/07/2024

Eden Solutions Qatar, Remote Work

- Designed and implemented new features, enhancing admin tools for the BSporthy platform to streamline user management.
- Developed APIs for seamless mobile integration, ensuring smooth interactions between mobile and web platforms.
- Managed booking systems and membership purchases, improving functionality and user experience.
- Technologies: Laravel, MySQL, and GitHub.

Summer internship - Back-end Developer | 06/2023 – 12/2023

Caustaza Group, Remote Work

- Developed APIs for the Caustaza website, integrating machine learning models to enhance functionality and deliver seamless performance.
- Collaborated with the front-end team to implement full website translation, ensuring accessibility for diverse audiences.
- At Smartovate, built a real-time chat system using WebSocket, developed email communication features, and managed the back-end payroll system.
- Integrated unit testing to ensure code reliability and optimize performance.
- Technologies: Django Rest Framework (Python), WebSocket, PostgreSQL, Docker, and GitLab.

Summer internship - Full Stack Developer | 07/2023 – 09/2023

Cybershield Sousse

- Designed and developed a web application to streamline activity management for a charitable organization.
- Built a centralized dashboard and implemented a comprehensive beneficiary and donor management system.
- Developed role-based access control with user permissions to ensure secure and efficient functionality.
- Technologies: Laravel, MySQL, and GitLab.

Final Year Project - Back-end Developer | 02/2022 – 06/2022

Timelapse Sousse

- Designed and implemented the back-end system for an online classified ads website, inspired by leboncoin.fr.
- Developed APIs to support key features, including user management, ad publication, advanced search with filters, real-time chat, subscription management, and a favorites system.
- Technologies: FastAPI, MongoDB, and GitHub.

PERSONAL AND FREELANCE PROJECTS

Web scraping project (Ongoing):

- scraping specific data from awsolutions.fr

Real Estate Platform (Ongoing):

- Building a real estate platform for rating and buying houses/properties

CV-Job Matching System:

- Developed a Python tool using NLP (Hugging Face Transformers) for CV and job description matching, with PDF text extraction. Built a web API using FastAPI and MySQL for real-time matching.

Black Friday Sales Analytics Dashboard:

- Created a comprehensive Power BI dashboard.

Food Delivery System:

- Developed a web application for online food ordering using Spring Boot.

Takyim:

- Developed a website for internal evaluations within an enterprise, featuring SMS notifications for events. The system incorporates role-based access control and permissions utilizing Laravel, MySQL, SmsAla, GitHub, and Azure.

Mobile Image Sharing Application:

- Created a mobile application for sharing images, functioning like a social media platform. Developed using Flutter and Firebase.

Labvet-International, Ebuild:

- Implemented feature modifications on the web application for laboratory food analysis. Utilized FastAPI (Python), MySQL, and GitHub for development.

Web Chat Application:

- Developed a real-time chat application using the MERN stack (MongoDB, Express, React, Node.js) and Socket.io. See more projects on GitHub.

SKILLS

Programming Languages:

Java, Python, PHP, JavaScript, TypeScript

Web Development:

Frontend: HTML, CSS, React, Bootstrap
Backend: Node.js, Express, NestJS,
Laravel, Django, FastAPI, Spring Boot

DevOps & Tools:

Docker, Git, GitHub, GitLab, JWT

Mobile Development:

Flutter

Databases

MySQL, PostgreSQL, MongoDB, SQL
Server, Firebase

Architecture & Protocols:

Microservices, WebSocket, Redis

Languages:

Arabic: Native
English: Upper-Intermediate
French: Intermediate

Testing & Analytics:

Unit Testing, Power BI

CERTIFICATION

Container & Kubernetes

IBM via Coursera

Python Project for AI and Application Development

IBM via Coursera

IT Specialist – Software Development

Certiport

First Prize, Start it Up 2.0 Hackathon

Junior enterprise ENISO