Fedi Mechergui

Software Engineer & Networks Expert

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in linkedin.com/in/fedi-mechergui-579054255

🔗 https://fedi-shell-folio.vercel.app

I am a highly motivated professional with a deep-seated interest in **Full StackWeb Development, System Design & Architectures,** and with a facultatif expertise in DevSecOps, Networking and IoT Development As a key member and the principal developer of the pioneering **Omnilink** startup, I infuse creativity and technical proficiency into each project I engage in. Driven by a continuous desire for innovation and an unquenchable thirst for knowledge, I consistently aim to expand the horizons of technology and provide meaningful solutions.

PROFESSIONAL EXPERIENCE

Lead Developer/SCRUM Master, System Designer & Backend Developer, *Omnilink*

07/2024 - present | Ariana, Tunisia

Mentoring More then 10 internes during my career in Omnilink for various projects, writing CDC and leading the SCRUM Cycle distributing Tasks and leading the developpment process for more than 5 projects

Formateur/Bootcamp Leader,
TRY-IT Club ISIMA

10/2024 - 01/2025 | Mahdia, Tunis

Made some FullStack Web Developpment Crash Courses for the Club events in the University

Formateur/Teacher,
Format Bac (centre de formation)

08/2025 - 09/2025 | Tunis, Tunisia

Teaching Python Intermediary Level and Full stack web for teenagers between the ages of 13 and 17

Head of Web Development Department,
Medtour

11/2025 - Present | Tunis, Tunisia

Being Responsible for all Development Related Tasks and Projects in Medtour the Travel Agency

EDUCATION

Bachelor Degree in Experimental Sciences,
Ali Douaji Marsa Saada Highschool

07/2020 | La Marsa, Tunisia

License Degree in Embedded Systems & IoT,
ISSAT Mateur

09/2020 - 05/2023 | Mateur, Tunisia

Master Degree in Networking Expertise & Cyber Security, *ISI Mahdia*

09/2023 - 10/2025 | Mahdia, Tunisia

PROJECTS

Quantum Banking System with Spec-Driven Development, 10/2025 - 11/2025
Hobby Project with AI & Quantum Computing
This project demonstrates **quantum computing integrated with modern software engineering** through a **spec-driven development methodology**. It showcases how complex quantum algorithms can be systematically built alongside classical systems using a structured, prompt-based development approach.

CI/CD and Backend for Omnilink Products, 03/2025 - 10/2025
DevSecOps Cycle and Development
The Main Project of Omnilink Corporation that have it's backend architected and developed by me, using Microservice Architecture for JS & Python backend based Service, with designing the system with a redis caching, hybrid database utilize mysql and firebase mix

Medianet Opportunities, *A Web Platform for Medianet* 05/2025 - 06/2025
A ReactJS based interface for uploading files and financial opportunities and assigning them to certain members of the company where they can export theire opportunities in both excel or csv format and visualize with multiple sharts theire datas based on PowerBI inspiration

Doctor Appointment System Management Platform, 02/2023 - 05/2023
MERN Stack Web Application (PFE Licence)
Doctor Appointment System Utilizing MERN Stack with patients and appointments CRUD

SKILLS

Backend Web Development
NodeJS + ExpressJS
NestJS, .NET, Django & Flask
SQL & NOSQL Databases
SpringBoot
API Integration & Development
System Designe and Architecture
Database Manipulation & Administration

Frontend Development
Vanilla HTML/CSS/JS
ReactJS
NextJS

Programming Languages & Problem Solving
Java
C, C++, C#
Python

DevSecOps
CI/CD Pipeline: Github Actions, Jenkins, Ansible
Monitoring: Grafana, Prometheus
Thread Detection: SonarQube, OWASP ZAP, Trivy

AI & ML
Tensorflow and PyTorch
External AI APIs
Ollama

System Administrator
Linux + Windows Administration

IoT Development
Arduino IDE + Arduino / ESP32
Thinger.io ⬈ / Tinkercad
Raspberry Pi

Networking
Cisco CCNA
Cisco Cabling and Administration
Putty, Nmap, Whireshark

Cyber Security Expert
Cryptography: OpenSSL
Pentesting Basics: Metasploit
Bash Scripting: Bash

Mobile Development
Android Studio
Kotlin, Java & Flutter

LANGUAGES

Arabic
Native Speaker

English
C2

French
B1

German
A1

INTERESTS

Books, Movies and Sports

CERTIFICATES

System Designe & Architectures
Level 2

CISCO Networks
CCNA 1

EF SET English Certificat
C2

ORGANIZATIONS

Try-IT Club, *HR*
10/2023 - 01/2025 | Mahdia, Tunisia

An IT university club engages in IoT and
Cybersecurity Activities