Tarek Messaoudi

Full Stack Developer

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Education

IMT Lille-Douai   **2012 - 2017**

Software engineer major // with a foreign semester in South Korea at Chugnam National Univ.
Internship at Capgemini, GFI, Alliance Française Limassol, Lille 2 University, Norauto

Technical Skills

Programming Languages: TypeScript, JavaScript, Python, Java
Frontend Development: React, Tailwind CSS, Remix
Backend Development : NodeJs, Deno, FastApi, Spring
Other Technologies: Docker, Git, SQL, REDIS, Linux

Work Experience

Full Stack Developer   **2020 - Present**

Qynapse // A healthcare technology company specializing in neuroimaging and AI
Qyscore Web App:
- Built a new viewer structure with Cornerstone and React Admin.
- Integrated Cypress for end-to-end testing.
- Optimized the cache and memory usage mechanism.

Report:
- Improved PDF generation with Puppeteer and enhanced testing procedures.
- Reworked the PDF generation process.
- Implemented internationalization with .pot files.

DIMSE Agent:
- Maintained the DIMSE agent for efficient and secure data ingestion.

Libraries:
- Created a normative library for percentiles and z-scores.
- Developed microservices for mesh and slice operations.

Full Stack Developer   **2017 - 2020**

Alter Solutions // A consulting and IT services company
IRT System X: Central Dashboard promoting research project webservices
- Develop the whole application from scratch.

SFR Altice Group: Brand-new customer service web app
- Refactor the whole custom CRM with new technologies and architecture.
- Added core feature (Mail/SMS notification, Tray system, ...) .

Thalès: Local web app displaying military data from Excel file
- Create a user-friendly tool for data vizualizing inventory file (.xlsx).

PSA: Online tool to parse automobile file format (.a2l and .hex, .ulp)
- Set up a backend service for parsing efficiently raw data files.

Projects & Rewards

LOM (GitHub) - *Browser strategy game.*

"Entreprise du Futur" Reward (Site) - *By Thalès, from Challenge Entreprendre.*