



Hedi MACHAT

Software engineer

Specialized in Fullstack web development

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Experiences

Fullstack Development Consultant (Freelance) – Saint-Gobain (France) SEPT 2024 - PRESENT

Back-end and front-end feature development for Saint-Gobain's main internal application. (Python, Django, JavaScript, Vue.js, Pytest)

Bug fixing based on end-user reports and issue investigation through analysis of discrepancies between expected and actual results.

Contribution to the setup of a new application and integration of computer vision scripts to enable real-time detection workflows. [More](#)

Projects :

- Coatify : Core internal platform helping glass production operators ensure quality and reduce adjustment time. [More](#)
- Debris-Camera : Tool for capturing glass images and detecting debris in real time.

Fullstack Development Consultant (Freelance) – Sense4data (Talence, France) OCT 2023 - MAY 2024

Design and Fullstack development of complete websites (Django, JavaScript, React.js, HTMX, Figma, TailwindCSS, PostgreSQL, Docker, Docker Compose, AWS)

Development of data collection solutions (web scraping, Web Crawling, APIs) from various sources (Python, BeautifulSoup, Selenium)

Collaboration with teams to define technical and functional project requirements and application maintenance (Trello) [More](#)

Projects :

- Hello-ao : Design and development of an online tracking solution for French public procurement tenders. [link](#)
- Feraud : Design and development of an online tracking solution for hardware products.

Skills

- **Programming languages** Python, JavaScript, TypeScript, HTML, CSS/SCSS, Java
- **Frameworks** Django, Flask, FastAPI, Vue.js, Angular, React.js, HTMX, TailwindCSS, pytest, BeautifulSoup, Selenium
- **Databases** SQL(PLSQL): PostgreSQL, MySQL, Oracle | **DevOps & Tools** Docker, Docker Compose, AWS, Gitlab, Github, PyCharm, WebStorm
- **Operating systems** Microsoft and Linux | **Design & Methodologies** UML, SCRUM, JIRA / Trello

Education

Higher Institute of Computer Science (University of Tunis El Manar) SEPT 2020 – JUN 2023 (Software Engineering Degree)

Rey Juan Carlos University JAN 2020 – JUN 2020 (Erasmus + exchange program)

ISSET Charguia SEPT 2017 – JAN 2020 (Bachelor's degree in Computer Software Development)

Menzah 9 High School 2017 (High School diploma in experimental sciences)

Academic Experiences

End of Degree Project - Talan (Tunis) FEB 2023 - JUN 2023 Onboarding Process Automation Taken Advantages from AI. (Flask API, JavaScript, MySQL, IBM Watson, OpenCV, EasyOCR, Spacy). [More](#)

Summer internship - ST2i (Lac 2, Tunis) JUL 2022 – AUG 2022 Cryptocurrencies news data mining and analysis with NLP. (Python, BeautifulSoup, Flask, Angular/Angular Material, Figma) [More](#)

End of Degree Project (Rey Juan Carlos University, Madrid) JAN 2020 - AUG 2020 Rental car platform. (Java, Angular) [More](#)

Internship - ST2i (Lac 2, Tunis) JAN 2019 Migration of a database. (SQL/PLSQL)

Certificates

Crash Course on Python Google | **Python Project: pillow, tesseract, and opencv** University of Michigan

Front End JavaScript Frameworks: Angular Hong Kong University of Science and Technology

Front End JavaScript Frameworks: React Hong Kong University of Science and Technology

CertiProf Scrum Foundation Professional Certificate - SFPC™ CertiProf | **Agile Project Management** Google

Languages

French: fluent | English: fluent

Associative experience

Enactus ISET Charguia | INJAZ Tunisia: Company Program -2018

Interests

Painting and drawing: Surrealist oil painting and 'pen drawing' hedi-mac.io/art | Sports: Fitness and cardio