

Ahmed Mustapha Hammouda

Software Engineer



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Professional Profile

Over 2 years of experience in designing and optimizing web applications. Specialized in back-end PHP Laravel and Python, database integration, system optimization, and IoT. Proven experience in automated reporting and data extraction. Passionate about Cybersecurity and Blockchain.

Professional Experience

Software Engineer, United Colors of Benetton, Monastir, Tunisia (March 2023 - Present)

- Developed and deployed a production tracking system in **PHP**, reducing manual effort by 20%.
- Implemented a real-time email alert system to notify of anomalies.
- Automated reporting and dashboards via **Power BI**.
- **Data extraction and processing** from CSV and Excel files to centralize information.
- Developed an innovative application for intelligent raw material stock management using **Python** and **SQLAlchemy**, improving resource management and increasing operational efficiency by 30%.

Final Year Internship, Tunipack, Sousse, Tunisia (February 2022 - June 2022)

- Developed an intelligent production tracking system based on **Microsoft Azure Cloud**.
- Implemented an **embedded system** to improve operational efficiency, reduce errors through real-time alerts and push notifications, and optimize data collection in **CosmosDB**.
- Developed a mobile application in **Flutter** connected to CosmosDB for visualizing performance indicators and enhancing decision-making.

Technical Skills

- **Languages:** PHP (Laravel), SQL (MySQL, PostgreSQL), JavaScript (Next.js, Angular), Python, Java.
- **Back-end:** Laravel, Flask, REST APIs.
- **Front-end:** HTML/CSS, Bootstrap, Angular.
- **Cloud DevOps:** Azure, Docker, Jenkins, Git, CI/CD.
- **Databases:** MySQL, PostgreSQL, Firebase.
- **Systems:** Active Directory, PowerShell, TCP/IP Network Protocols.
- **Reporting:** Power BI, Advanced Excel, Data Extraction.

Education

- 2019–2022 **Engineering Degree in Computer Science**, *École Polytechnique Sousse*, Tunisia
- 2015–2019 **Preparatory Program in Physics-Chemistry**, *Faculty of Sciences of Monastir*, Tunisia

Certifications

- IBM - Blockchain Essentials
- Cisco - Cyber Threat Management
- Cisco - Junior Cybersecurity Analyst Career Path

Languages

- French: Fluent (DELF B2)
- English: Professional (TOEIC 850)
- Arabic: Native Language
- German: Basic knowledge
- Italian: Basic knowledge

Interests

- Technology and Innovation: Technology watch, exploring new IT trends.
- Mathematics: Passion for the philosophy of mathematics.
- Sports: Football, hiking.