FIRAS YAZID

SOFWTARE ENGINEER

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📞 +216 55 752 423

🌐 Portfolio

📍 Tunis

PROFILE INFO

Software Engineering graduate from ESPRIT with 3 years of experience in full-stack development. Skilled in building scalable web and mobile apps, with a strong DevOps mindset. Passionate about integrating LLMs into development workflows to create smarter, AI-enhanced user experiences. Driven, adaptable, and eager to build the next generation of intelligent software.

EDUCATION

SOFTWARE ENGINEER DEGREE
ESPRIT
2019-2024

HIGH SCHOOL DIPLOMA IN COMPUTER SCIENCE
RADES HIGH SCHOOL
2015-2019

TECHNICAL SKILLS

Languages:
- JavaScript,
- TypeScript,
- Python,
- Java

Web development:
- React.js
- Angular
- Next.js
- HTML/CSS

Mobile development :
- React Native

Backend :
- Express.js
- Node.js
- FastApi
- Spring- Boot

Databases:
- MongoDB
- MySQL
- PostgreSQL

DevOps: Docker
- Jenkins
- SonarQube

EXPERIENCE

FULL-STACK SOFTWARE ENGINEER
NOBLE MIND - JANUARY 2025
- Designed and implemented full-stack web and mobile solutions using Next.js, Python, and React Native.
- Developed mobile applications powered by Generative AI and LLMs, integrating smart features such as intelligent search, chat assistants, and content personalization.
- Built robust backend APIs aligned with agile development and modern DevOps workflows.

FULL STACK DEVELOPER
PARHELION - 2022-2024
- Designed and built full-stack web and mobile applications using Angular, React, React Native, and Node.js.
- Implemented and maintained CI/CD pipelines using Docker, Jenkins, and SonarQube, streamlining integration and deployment workflows.

END-OF-STUDIES INTERNSHIP
B2M-IT - JANUARY 2024 - JULY 2024
- Designed and built full-stack web and mobile applications using Angular, React, React Native, and Node.js.
- Led the design and development of a healthcare platform powered by machine learning for disease prediction.
- Built and trained five ML models using Scikit-learn to identify various diseases with improved diagnostic accuracy.
- Integrated the models into a complete mobile and web solution tailored for both doctors and patients.

- GitHub Actions
- GitLab CI/CD

AI & Machine Learning:
- Large Language Models (**LLM**) integration
- Model Context Protocol (**MCP**)
- ML model development and integration
- Retrieval-Augmented Generation (**RAG**)

Version Control:
- Git
- GitHub
- GitLab

CERTIFICATIONS

- **AI Fundamentals – DataCamp**
- **Developing LLM Applications with LangChain - DataCamp**
- **Generative AI – Coursera**
- **React Developer – Meta**
- **TypeScript with React – Coursera**
- **Python Programming -Microsoft**
- **FastAPI – DataCamp**
- **Docker Foundation -Docker**
- **MCP - HuggingFace**
- **DevOps on AWS -AWS**

ASSOCIATIVE INVOLVEMENT

MEMBER OF THE IT DEPARTMENT-JUNIOR ENTREPRISE –2021-2023

- Achieved 88% accuracy in disease prediction models.
- Set up a CI/CD pipeline using GitLab, enabling automated testing, deployment, and continuous integration.
- Implemented and maintained CI/CD pipelines using Docker, Jenkins, and SonarQube, streamlining integration and deployment workflows.

FULL STACK DEVELOPER –INTERN

PARHELION - JUNE 2022 - SEPTEMBER 2022

- Designed and built full-stack web and mobile applications using **Angular**, **React**, **React Native**, and **Node.js**.
- Responsible for both frontend UI/UX design and backend development with Node.js, ensuring high performance and usability.
- Implemented and maintained **CI/CD** pipelines using **Docker**, **Jenkins**, and SonarQube, streamlining integration and deployment workflows.

PROJECT HIGHLIGHTS

AI-POWERED FITNESS APP USING MCP -2025

- Built an AI-driven fitness app using **React native** and **FastApi** that generates personalized workout plans and adapts over time by learning from user data.
- Implemented Model Context Protocol (MCP) with a locally hosted **LLaMA 3** model to provide context-aware coaching based on past workouts, injuries, and emotional states.

AI DATA INSIGHTS AGENT | PYTHON + REACT -2025

- Developed an AI-powered agent enabling natural language interaction with databases.
- Built real-time database connectivity with intelligent reasoning and explanation capabilities.
- Designed a React-based interface delivering clear, actionable insights from raw data.
- Replaced complex query writing with conversational data exploration, improving usability and decision-making.

SAAS RESTAURANT MANAGEMENT PLATFORM -2024

- Designed and developed a SaaS platform for restaurant management (reservations, orders, billing).
- Built role-based dashboards for admins, servers, and chefs to streamline the entire workflow.
- Implemented real-time order and table management using **Node.js** (backend) and **React** (frontend).
- Enabled restaurants to digitize operations with QR code menus, online ordering, and live status tracking.