

RASLEN OUARGHI

Software Engineering Student at ENSI - Enthusiastic About Software Development

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Summary

I am a recent Computer Science Engineering graduate specializing in Software Engineering, with a strong focus on cloud technologies, particularly Azure, as well as DevOps practices and web development. Proficient in full-stack development using the MERN stack and skilled in Dotnet, Angular and NestJS, I bring a solid foundation in Azure cloud solutions alongside my DevOps expertise. Motivated by a passion for continuous learning and technology exploration, I am committed to contributing to innovative, scalable web and cloud solutions in a dynamic professional environment.

Education

National School of Computer Science (ENSI)

2021 – 2024

National Engineering Degree in Computer Science, specializing in Software Engineering.

University of Mannouba

Institute of Engineering Studies of Monastir (IPEIM)

2019 – 2021

Preparatory Cycle Technology-Physics

University of Monastir

Experience

Cloud Intern

Feb 2024 – Jun 2024

Integration Objects

Tunis, Tunisia

- "Cloud Deployment Solution for SIOTH IT-OT Integration Platform":
- Led the development of the SIOTH IT-OT Integration Platform, a cutting-edge solution that merges Information Technology (IT) and Operational Technology (OT) systems to enhance data interoperability and analytics in diverse industrial settings. Spearheaded the cloud deployment of the platform, focusing on scalability, security, and reliability to optimize the integration of digital and physical assets, improving overall operational efficiency.
- **Tools and Technologies:** .NET 7.0, Azure DevOps, Azure Container Instances, Azure Container Registry, Azure Virtual Network, Azure VPN Gateway, Point-to-Site (P2S) Connections, Azure Service Bus, Azure File Share

Web Development Intern - Frontend and Backend

Jul 2023 – Aug 2023

Talan Tunisia

Tunis, Tunisia

- "Guidini":
- Promoting Sustainable Consumption through Responsible Recommendations and Stock Forecasting
- **Tools:** React.js, FastAPI, Nest.js, and MongoDB

Projects

Ras E-learning Platform CI/CD Pipeline

Jul 2023 - Sep 2023

- Implemented a CI/CD pipeline for the Ras E-learning Platform using Jenkins, marking my first experience in DevOps.
- Automated the build, test, and deployment processes, ensuring efficient and error-free updates to the platform.
- **Technologies:** Jenkins, Docker, GitHub Actions
- **Github:** [Ouarghii/CI-CD-Pipeline-for-the-Ras-E-learning-platform](#)

Ras E-learning Platform

June 2023 - Jul 2023

- Developed the Ras E-learning Platform, an online learning platform built using the MERN stack (MongoDB, Express.js, React, Node.js) with WebRTC integration. The platform includes features such as video chat, messaging, PDF course materials, interactive quizzes, and certification support.
- Collaborated with a team to design and implement the platform's functionality, managing tasks and conducting weekly progress reviews.
- **Technologies:** React, Node.js, MongoDB, Express.js
- **Github:** [Ouarghii/RasElearning - Platform](#)


Platform "DoctSmart" (Design and Programming Project)

Feb 2023 – May 2023

- Created DoctSmart Intelligent, a web application for diagnostics, predictions, and appointment scheduling.
- **Technologies:** React.js, Node.js, MongoDB, Express.js, Python, Machine Learning
- **Github:** [Ouarghii/Doctsmart](#)


Portfolio Website

Oct 2022 - Feb 2023

- Designed and developed a portfolio website showcasing my professional accomplishments and skills.
- Utilized React.js to create an interactive and visually appealing online portfolio.
- **Technologies:** React.js
- **Github:**  [Ouarghii/portfolio.github.io](https://github.com/Ouarghii/portfolio.github.io)

NHR Platform Development

June 2022- Sep 2022

- Developed the NHR platform focusing on efficient client and category management.
- Built Docker images for MongoDB server, Node.js server, and React server. Utilized containerization to decouple and virtualize the platform components.
- **Technologies:** React, Node.js, MongoDB, Express.js, Docker
- **Github:**  [Ouarghii/NHR/tree/master](https://github.com/Ouarghii/NHR/tree/master)

WTOU Game

May 2022

- Designed and developed an educational video game that explores planets through quizzes and puzzles.
- Utilized Qt Creator and C++ to create an engaging and educational gaming experience.
- **Technologies:** Qt Creator, C++

Github:  [Ouarghii/proj-WTOU](https://github.com/Ouarghii/proj-WTOU)

Honors

Talan-Tunisia

Jury Selection for Team Cohesion Trophy

- After an intensive two-month internship period, our team was recognized by the jury and awarded the Team Cohesion Trophy, acknowledging our exceptional performance, innovation, and collaboration.

Technical Skills

Cloud Platforms: AWS, Azure

DevOps Tools: Azure DevOps, Jenkins, Docker, Kubernetes

Azure Services: Azure Container Instances, Azure Container Registry, Azure Virtual Network, Azure VPN Gateway, Point-to-Site (P2S) Connections, Azure Service Bus, Azure File Share

Containerization Tools: Docker, Kubernetes, Azure Container Instances, Azure Container Registry

Programing Languages: C, Python, C/C++, Java, JavaScript

Frameworks/Libraries: .NET, React, Angular, NestJS, Node.js, Express.js, Bootstrap

Developer Tools: IntelliJ IDEA, Eclipse, Visual Studio Code (VS Code)

DBMS: MySQL, MongoDB(NoSQL), SQLite

Version Control: Git, Azure DevOps

Software Development Methodologies: Agile, Scrum

Operating Systems: Linux, Windows

Problem Solving: Analytical thinking, Troubleshooting

Mathematics Knowledge: Statistics, Probability, Linear Algebra, Graph Theory

Activities and Certifications

- Certificate in React.js Frontend Development from Coursera.
- Certificate in Supervised Machine Learning: Regression and Classification from Coursera.
- Certificate in Intro to Machine Learning from Kaggle.
- Ranked 7th in the EPC 2.0 Competitive Programming Competition at ENSI.
- Participated in the PCD Challenge 4.0 at ENSI.
- Solved over 400 problems on Codeforces.

Volunteer Experience

ENSI Robotics Association

2021 – 2023

Active Member

Positive and Sociable Citizens Club

2021 – 2023

Active Member

IEEE ENSI Student Branch

2021 – 2023

Active Member