(+216) 58818232
Gafsa, Tunisia
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Khouloud Zidi
Software Engineering Student

As a motivated engineering student , I am actively seeking a job offer where I can apply my skills in software development and contribute to impactful projects. I have gained experience in full-stack development, cloud technologies, and automation, and I am passionate about solving complex challenges. Eager to continue learning and improving, I am looking for an opportunity to collaborate on innovative solutions while further developing my expertise in software engineering.

EDUCATION

Bachelor of Engineering (B.E.) in ICT , *National School of Engineers in Sousse*   **Sep.2022**

Courses: Machine Learning , IOT , Networking , Queue theory , Probability , Python , Big data , Devops , Hadoop ,networks Security and administration c, Java , Big Data , Cloud Computing , French , English.

Prepratory Studies for Engineering in Physics and Technology, *Engineering Preparatory institute Of Nabeul*
2020-2022

Courses: Probability , Advanced Statistics , Python , Physics , Chemistry , Mathematical Analysis , Algebra, French , English.

EXPERIENCE

Cloud Identity Platform Developer – ASWAR.io
End-of-Studies Internship Cloud Commit Software Solution, Tunis   *Feb 2025 – Present*
- **Role**
  ○ Designed and implemented core features of a multi-tenant cloud identity platform built on top of Keycloak, enabling organizations to simplify and manage identity and access control..
  ○Developed and documented secure RESTful APIs (following JSON:API 1.1 specification) for managing organizations, invitations, and member roles.
  ○Participated in all stages of the development lifecycle: specification, design, implementation, testing, and documentation.
  ○Ensured seamless communication between services via Docker Compose, with hot-reloading enabled for efficient development..
  Keywords: Node.js, React, Keycloak, RabbitMQ, Sequelize, Docker, JSON:API.

Back-end Devlopment Intern
ASQII Startup Le Kram,Tunis   *June.2024 - August.2024*
- **Role**
  ○ Collaborated with cross-functional teams to understand the health standard requirements and how they applied to our API workflows.
  ○Modified existing API routes and created new endpoints to ensure the data exchange was secure, compliant, and met the health standard's specifications(HL7 FHIR).
  ○Leveraged tools like Postman and automated testing suites to validate API functionality and compliance.
  Keywords: Node.js, Express, REST APIs, HL7 FHIR Standard

Front End Development Intern
ENVAST Sousse Technopole   *June.2023 - July.2023*
- **Role**
  ○ Designed and developed a dynamic dashboard website to provide users with real-time data visualization and analytics, enabling informed decision-making for key metrics.
  ○ Designed and implemented data visualization charts and graphs using Recharts
  Keywords: React.js, JavaScript, CSS3, Recharts, Material-ui

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PROJECTS

Jenkins Project (KodeKloud) : Jenkins, Docker, Kubernetes, Amazon EKS, CI/CD Pipeline   2024

   -This project develop proficiency in writing and implementing Jenkins Pipelines using Jenkinsfile in addition to building CI/CD pipelines that can deploy to a variety of platforms including EC2 as well as serverless platforms like Lambda also Learn how to create Kubernetes Pods, manage Replicas and Deployments for scaling applications, and ensure high availability, fault tolerance, and self-healing.

Vision-Routiére : Raspberry pi 3,Putty, Python3, Firebase.   JAN 2024

   - An embedded system aiming at improving road safety by detecting and capturing vehicles that run red lights at intersections. The system combined hardware components and real-time image processing algorithms to identify red light violations. This solution provided a practical approach to reducing traffic violations and enhancing public safety at critical road intersections.

ASWAR: React, Node.js, Typescript, Express.js, RabbitMq, Keycloak   JAN 2024

   - A multi-tenant cloud identity platform built on top of Keycloak to simplify identity and access management for organizations through customizable APIs, role-based access control, and event-driven workflows.

SKILLS

CI/CD Automation: Jenkins, Docker, Kubernetes, Jenkins Pipelines.

Web Development: Node.js, Express.js, REST APIs, HTML, CSS, JavaScript

Embedded Systems IoT: Raspberry Pi, Python, Putty, Firebase.

Version Control Collaboration: Git, GitHub.

Languages: Python,Typescript, JavaScript,Java , HTML, CSS.

CERTIFICATES

delf B2 ,	2020
Toeic,	2024
Az-900,	2023
AWS Cloud Practionner (KodeKloud),	2024
Jenkis(KodeKloud),	2024

VOLUNTARY WORK

Tresorier of IEEE Industry Applications Society Chapter - ENISo Student Branch	2022-2023
Actif Member in IEEE ENISo Student Branch	2022-2024