NADA BARGOUGUI

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SUMMARY

I am a Computer Networks and Telecommunications Engineering student with a strong passion for systems administration, cloud technologies, and DevOps practices. I am actively seeking an opportunity where I can strengthen my technical skills in system operations, security and automation, and eager to contribute to the stability, performance and continuous improvement of IT infrastructures.

INTERNSHIPS AND PROJECTS

Internship - Tunisie Telecom
Jun 2022

- Participated in on-site missions to diagnose and resolve network issues.
- Assisted in testing subscriber lines and identifying faults in underground and aerial infrastructure.
- Helped resolve common issues such as faulty connectors and signal loss.
- Supported the installation of new subscriber lines.
- Collaborated with maintenance teams and gained hands-on experience in field troubleshooting and telecom operations.

Internship - DiamLab
Jul 2023 - Aug 2023

- Developed and implemented an Automated Temperature Monitoring System using IoT-based solutions.
- Designed a user-friendly dashboard to monitor real-time data and visualize temperature trends with ReactJs and ExpressJs (NodeJs).
- Integrated MQTT for efficient, real-time communication between IoT devices and the backend.

Technologies: Raspberry Pi, ESP32, DHT22, ExpressJS (NodeJs), ReactJS, Arduino IDE, MQTT

IEEE INSAT Student Branch Projects Departement - MeetQuest
Mar 2025

MeetQuest is a platform that enhances online collaboration by allowing users to move avatars, engage in real-time conversations, and access integrated communication tools in a 2D environment.
My tasks included:

- Designing and deploying a modular, maintainable 3-tier cloud infrastructure on Microsoft Azure using Terraform, with secure remote state management via Azure Storage Account.
- Containerizing the application with Docker for consistent and portable deployment.
- Building a CI/CD pipeline with GitHub Actions to automate testing, vulnerability scanning with Trivy, and deployment, ensuring secure and reliable delivery.

Technologies: Azure, Terraform, Docker, Git, GitHub Actions, Trivy

EDUCATION

Bachelor's Degree in Computer Networks and Telecommunications
Sep 2021 - Jun 2024

Faculty of Sciences and Technology of Sidi Bouzid (FSTSBZ)

Engineering Degree in Computer Networks and Telecommunications
Sep 2024 - Present

National Institute of Applied Science and Technology (INSAT)

CERTIFICATIONS

- **IELTS (British Council) :** level C1 (7.5/9)   **Mar 2024**
- **Microsoft Certified Azure Fundamentals AZ-900**   **May 2024**
- **Backend with Springboot (The bridge)**   **Dec 2024**
- **Docker (Rebootkamp)**   **Jan 2025**
- **CCNA: Switching, Routing, and Wireless Essentials**   **Mar 2025**