

Professional experience

Full-Stack Development EngineerOctober 2024 - Present

- Oratio Technologies — Tunis, Tunisia
- ✓ Development of chatbot Backend:
 - Modeling and implementing a backend for AI based chatbot
 - ✓ Development of chatbot Frontend:
 - Modeling and implementing an interactive UI
 - Implemented data visualization for faster decision-making
 - ✓ Key words : React, FastAPI, MongoDB, TypeScript, AI model intégration, Tailwind, Scrum, Git, Jira

Frontend Development EngineerFebruary 2025 – May 2025

- OORB: Open Organic Robotics — Tunis, Tunisia
- ✓ Frontend development:
 - Modeling and implementing an interactive UI
 - ✓ Key words : React, TypeScript, Mantine, Scrum, Git, Notion

Full-Stack Development InternJune 2024 – August 2024

- Oratio — Tunis, Tunisia
- ✓ Development of chatbot backend:
 - Building a scalable backend with NodeJs
 - ✓ Development of chatbot Frontend :
 - Creating a modern and responsive website using React
 - ✓ Key words : React, NodeJS, MongoDB, TypeScript, Scrum, Git, Jira

Personal projects

- Smart Pipeline Risk Assessment Dashboard:** Interactive geospatial dashboard for pipeline integrity monitoring with AI risk predictor (React, Node.js, Leaflet, MapBox, PostGIS, Docker, Websocket)
- Automated Integrity Data Fusion System:** Multi-source data integration with anomaly detection for predictive maintenance. (NestJS, PostgreSQL, Redis, Vue, Chart.js)

Education

Higher Institute for Computer ScienceAriana, Tunisia - 2023 - Present

National Engineering Diploma : Software Development

H S Sciences and Technology Hammam SousseSousse, Tunisia – 2020 - 2023

Bachelor's in Computer Science : Software Engineering & Information Systems

Technical skills

- Web development:** React, Vue.js, Angular, Node.js, Express.js, NestJS, FastAPI, TypeScript, JavaScript, HTML5, TailwindCSS
- DataBase & GIS:** PostgreSQL, PostGIS, Prisma, MySQL, MongoDB, Oracle, GraphQL
- Infrastructure & DevOps:** Docker, AWS (EC2), Redis, Keycloak, Git, GitLab, WebSockets
- Analytique & AI:** Machine Learning, Data Visualization (Chart.js, Kibana), Python (pandas, scikit-learn), Automated anomaly detection
- Programming Languages:** Python, C/C++, Java, PHP

Certifications

Microsoft Excel Associate (April 2024) | Google Data Analytics (May 2022) | Azure AI Fundamentals (AI-900) (November 2024)

Languages

Arabic: Native | English: Advanced | French: Advanced | German: Beginner

Volunteering

ICCAD'2025 Conference Web Manager | IEEE TSYP'11 Program Chief | IEEE ESSTHS Robotics & automation Chairman