



Education

Universiapolis - Agadir Polytechnic School

Engineering Degree in Software Engineering (2022-2025)

- Relevant Courses: Distributed Systems, Devops, Cryptography

National School of Applied Sciences of Agadir

Bachelor in Mechanical Engineering (2018 - 2022)

Professional Experience

Internship - BE-WISE

Chatbot for Company Websites (July - September 2024)

- Developed an AI-powered chatbot to assist company websites by answering questions based on uploaded business documents.
- Designed a system to process PDF files and provide intelligent, context-specific responses using natural language APIs.
- Ensured the chatbot securely handled data and remembered conversations for better user interaction.
- Technologies: Java, Spring Boot, MySQL, APIs.

Internship - Inko Optique

Clients and Stocks Management Application (June - August 2023)

- Developed a client and stock management system to automate customer appointments and streamline workflows.
- Designed and implemented a responsive front-end using Vue.js and Bootstrap.
- Created a secure backend with Node.js and MongoDB for handling application requests.
- Automated data export to Excel for detailed analytics.
- Improved scheduling efficiency by 50%.

Feekra - Startup Project: Intelligent Water Management

Co-founder (July 2024)

- Developed an IoT system for real-time water consumption monitoring using sensors.
- Designed a React-based web application with Firebase for user engagement and showcasing solutions.
- Built a Flutter mobile app for users to monitor and manage water usage.
- Integrated Jira for project management and team collaboration.

Personal Projects

P2P Chat App with Encryption

- Built a peer-to-peer chat application in Java with end-to-end encryption.
- Secured communications using public/private key cryptography.
- Used LocalTunnel for public IP simulation and Docker for deployment.
- Technologies: Java, Cryptography, Docker, Node.js.

MyBlockchain - Simplified Bitcoin Simulation

- Developed a cryptocurrency simulation covering wallets, miners, and smart contracts.
- Implemented proof-of-work and multi-threading for secure transactions and mining.
- Technologies: Java, Cryptography, Multi-threading, C++, Git.

Technical Skills

- Programming Languages: Java, Python, JavaScript, PHP, C++, C
- Frameworks: Spring Boot, React.js, Node.js, Vue.js, Laravel
- Databases: MySQL, MongoDB, Firebase, PostgreSQL
- Tools: Docker, Git, Maven, JIRA
- Other: JUnit, Postman, JSON, XML

Languages

- Arabic: Native
- French: Advanced
- English: Advanced