

EXPERIENCE

toknar.io

Jan 2023 - Sep 2023

Full Stack Web3 Developer, Freelance

London, UK (Remote)

- Developed and deployed Minimum Viable Product (MVP) web applications for Toknar, a company utilizing AI and blockchain for invoice financing solutions.
- Designed and implemented smart contracts and NFTs for the tokenization and management of invoices within their INVOIX platform.
- Technologies: PyTeal, Beaker, Algorand SDK, Nodejs, React, Websocket, MySQL, Python

Z Smart Services

Apr 2022 - Jun 2022

Full Stack Developer, Intern

Marrakesh, MA

- Developed a web application for value-added tax (VAT) declaration and calculation.
- Technologies: Java, Spring, Angular, JWT, Mysql, REST

Menara Auto

Apr 2021 - Jun 2021

Full Stack Developer, Intern

Marrakesh, MA

- Developed a web-based car rental management system.
- Technologies: JavaScript, Nodejs, Bootstrap, JQuery, JWT, Mysql, REST

EDUCATION

University of Cadi Ayyad

Sep 2019 - Jun 2022

Bachelor of Science in Computer Engineering - Honors

- **Courses:** OOP in C++, Algorithms, Web development, DBMS, Operating system, project management

COURSES

Specialist Certificate, Algo Foundry

Sep 2022 - Nov 2022

Showcase the knowledge and skills needed to build decentralized and secure applications on the Algorand blockchain.

Developer Certificate, Algo Foundry

Aug 2022 - Sep 2022

A deeper understanding of the Algorand Virtual Machine and the ability to use TEAL, PyTeal, and Beaker.

SKILLS

Programming Languages Go, Java, JavaScript, TypeScript, Python, C/C++, SQL, HTML/CSS, PyTeal
Technologies Reactjs, Angular, Nodejs, Spring, MySQL, MongoDB, Bash, Beaker, Git

PERSONAL PROJECTS

Arbitrage Bot

Sep 2023 - Jan 2024

Full Stack Web3 Developer

Marrakesh, MA

- Developed an arbitrage bot for the Algorand blockchain designed to exploit price discrepancies between popular Decentralized Exchanges (DEXs). This application utilizes custom smart contracts to combine and execute multiple on-chain swaps within a single atomic transaction. The smart contract incorporates profit checks to ensure only lucrative opportunities are pursued, maximizing efficiency and profitability.
- Technologies: Beaker, AlgoKit, Algorand SDK, Nodejs, TypeScript, bash

Checker desktop game

Apr 2022 - May 2022

Software Engineer (Desktop Applications)

Marrakesh, MA

- Collaborated on the development of a desktop checkers game in Java. This two-player game allows users to compete against each other or challenge an AI opponent with three difficulty levels implemented using the Minimax algorithm.
- Technologies: Java, AWT, Swing, Git, Github