



FULL-STACK BLOCKCHAIN ENGINEER

## Ben Moussa

Hi, I'm Ben Moussa, a software engineer, blockchain enthusiast & all-round tech geek, with **more than 5 years of professional experience** building state-of-the-art software applications.

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## EXPERIENCE

### SENIOR SOFTWARE ENGINEER (AI) @ CAPPS (BTNR) — 2024-PRESENT

- Designed and developed a cutting-edge AI-powered SaaS that automates and optimizes the application process for bids in the French construction industry
- The solution leverages advanced LLM models to analyze project requirements, generate accurate bid proposals, and optimize resource allocation, significantly reducing time and costs for construction firms
- Implemented a highly scalable event-driven architecture that leverages RAG technology to generate more accurate responses based on specific, up-to-date, & domain-specific knowledge
- I also hired, trained and managed one frontend developer, using agile methodologies (SCRUM)

### FULL STACK BLOCKCHAIN ENGINEER @ THE CHAIN GENIUS - REMOTE — 2022-2024

- Led the design & development of full-stack dApps for a variety of clients such as Kayros Games, Dar Blockchain, Decentralize Impact, etc...
- Achieved an in-depth understanding of the full range of Blockchain protocols, use cases and business models
- Collaborated with decentralized development teams to design, build and deploy APIs & web applications like exchanges, portfolio trackers, wallets, DAOs, NFT marketplaces & crypto payment systems
- Focused on decentralized design patterns, security best practices & optimization of gas costs

### FULL STACK DEVELOPER @ WECRAFT - TUNIS, TUNISIA — 2019-2021

- Participated in the growth of WeCraft from an idea and only 3 employees, to a eight figure valuation
- Created a SaaS for enabling business to collect, monitor and analyse user feedback in real time
- Built a state of art Async Event Driven Architecture (Kafka) with RESTful Microservices (Java, Quarkus)
- Designed feedback widget's UI/UX (native javascript tag) and dashboard (React.js)
- Mastered basics of DevOps: Docker, Kubernetes, GitLab CI/CD pipelines, Google Cloud Platform
- Worked in an agile environment (SCRUM), wrote documentation, code reviews, etc

## PROJECTS

### CO-FOUNDER & CTO @ DREAMWEAR — 2021-2022

- Founded DreamWear with the goal to leverage Blockchain (NFT) and Augmented Reality technologies to revolutionize the fashion industry in a fun and sustainable way
- Formulated the platform's vision, goals and objectives. Ensured the vision was followed in the technical aspect of the business and complied with the schedule and budget
- Attended multiple startup and blockchain events and created professional relationships with potential investors
- Hired, trained and managed a team of two interns using agile methodologies (SCRUM)
- Grew from idea to working and feature rich prototype in 10 months

## SOFTWARE SKILLS

- Typescript, Backend (NodeJS, Event Driven, RESTfull, Microservices, NestJS, TRPC, Kafka, NATS, RabbitMQ, MongoDB, SQL), Frontend (React/Next, Redux, Jotai, Tailwind CSS, Bootstrap), DevOps (Docker, Kubernetes, CGP, AWS, Git, CI/CD pipelines), Solidity Smart Contracts, Ethereum, Foundry/Hardhat/Truffle, Web3 (ethers.js, web3.js), AR/VR (WebGL, THREE.js, WebXR)

## CERTIFICATIONS

DEEPLY PRACTICAL PROJECT MANAGEMENT (16 PDUS) - UDEMY — 2022

BUSINESS OF DECENTRALIZED FINANCE - UDEMY — 2021

MICROSERVICES WITH NODE JS AND REACT - UDEMY — 2019

FULL-STACK REACT, PYTHON, AND GRAPHQL - UDEMY — 2019

## EDUCATION

PRIVATE HIGHER SCHOOL OF ENGINEERING & TECHNOLOGY - TUNIS, TUNISIA

COMPUTER SCIENCE ENGINEERING DEGREE (EUR-ACE® - CTI), 2015-2020

- Majored in Business Intelligence & Enterprise Resource Planning (Big Data & Data Mining)