

YOSSRI MELKI

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Full-Stack Developer – AI & Blockchain Specialist

Results-driven developer with 3+ years building high-performance systems. Specialized in scalable architectures, smart contracts, and AI integration. Portfolio of platforms generating \$75K+ combined monthly revenue.

EDUCATION

ESPRIT - École Supérieure Privée d'Ingénierie et de Technologie

Tunis, Tunisia

Bachelor of Engineering in Computer Science - Mobile Development

2019 – 2025

Lycée Cité El Bosten

Tunisia

Baccalauréat in Computer Science

2019

PROFESSIONAL EXPERIENCE

Full-Stack Developer

Aug 2024 – Present

Vistasy - Axeddim Platform

Remote

- Developing AI-powered recruitment SaaS reducing time-to-hire by 60% through automated job generation and NLP-based candidate matching with 92% accuracy
- Built matching engine processing 500+ profiles/second with MongoDB/Redis optimization achieving sub-100ms queries
- Architected Next.js platform handling 10K+ daily requests with 99.8% uptime and 5,000+ concurrent users
- Technologies:** Next.js, Node.js, Express.js, MongoDB, Redis, OpenAI API, NLP

Blockchain Developer

Jan 2025

ETAFAKNA - Legal Tech Startup

Tunisia

- Implemented blockchain integration reducing document retrieval by 68% with smart contracts processing 300+ daily documents
- Engineered hybrid IPFS storage solution reducing gas costs by 88% while maintaining 99.95% availability
- Technologies:** Ethereum, Solidity, Web3.js, IPFS, Smart Contracts

Backend Developer Intern

Aug 2024

Squirrel WG

Remote

- Optimized backend for 100K+ concurrent users achieving 40% performance improvement through Redis caching and MongoDB indexing
- Implemented PM2 cluster load balancing increasing throughput by 320% with 99.95% uptime
- Technologies:** Node.js, Express.js, MongoDB, Redis, PM2

Full-Stack Developer Intern

Jun 2023

Safran - Fortune Global 500

Tunisia

- Developed training compliance dashboard for 5,000+ personnel with automated reporting reducing manual work by 87%
- Built secure Spring Boot microservices with OAuth 2.0 and JWT, optimizing queries by 76% (890ms → 210ms)
- Technologies:** Spring Boot, Spring Security, MS SQL Server, Angular, OAuth 2.0

Blockchain Developer Intern

Oct 2022

Block Plus Plus

Remote

- Built blockchain inventory system processing 2,500+ monthly transactions with gas-optimized contracts reducing costs by 67%
- Developed MERN dashboard with real-time monitoring, reducing inventory discrepancies from 12% to 0.8%
- Technologies:** Ethereum, Solidity, Web3.js, IPFS, MERN Stack

KEY PROJECTS

Richout - AI Investor Networking Platform | richout.ai

Dec 2024

- Built B2B platform connecting 500+ entrepreneurs with investors using WebRTC voice AI and intelligent search (85% match rate)
- Technologies:** Next.js, WebRTC, AI Voice Agents, MongoDB

MELKI Platform - Decentralized Legal Document Management (Graduation Project)

Feb – Aug 2025

- Architected blockchain platform with three AI-powered generation methods serving 200+ users with 99.95% uptime

- Deployed Polygon smart contracts (95% cost reduction), Arweave storage, and PAdES signatures (99.65% faster workflow)
- **Technologies:** Next.js, Solidity, Polygon, Arweave, IPFS, OpenAI API, Redis

BestOfficiel - eCommerce Platform bestofficiel.com	2024
<ul style="list-style-type: none"> • Developed full-stack eCommerce platform processing \$50K+ in monthly transactions serving 2,000+ customers • Technologies: MERN Stack, Next.js, AWS, Stripe, CloudFront CDN 	
T4Translation - Multilingual Platform t4translation.vercel.app	2024
<ul style="list-style-type: none"> • Built translation platform serving 1,000+ clients in 15+ languages with \$25K+ monthly transaction volume • Technologies: MERN Stack, Astro.js, Cloudinary, Stripe/PayPal 	
Ghariani - CRM & eCommerce ghariani.tn	2024
<ul style="list-style-type: none"> • Created dual-purpose platform for 300+ B2B clients processing 1,500+ monthly orders with automated invoicing • Technologies: Symfony, MySQL, SMTP, Payment Gateway Integration 	
DevOps CI/CD Pipeline	2024
<ul style="list-style-type: none"> • Built comprehensive pipeline with automated testing, code quality analysis, and monitoring for Spring Boot applications • Technologies: Docker, Jenkins, SonarQube, Grafana, Vagrant 	
LAYE - Car Reservation Mobile App	2023
<ul style="list-style-type: none"> • Developed cross-platform rental app processing 800+ monthly bookings with Stripe/PayPal and Google Maps integration • Technologies: Spring Boot, Flutter, MongoDB, Stripe, PayPal 	
ITBAT - Construction Services Platform itbat.fr	2022
<ul style="list-style-type: none"> • Developed web application showcasing construction services and portfolio • Technologies: Symfony, MySQL, Twig, PHP, SMTP Mailer 	
DevGuard - IT Services Platform devguard.fr	2022
<ul style="list-style-type: none"> • Contributed to web application providing comprehensive IT services and solutions • Technologies: Symfony, MySQL, PHP, Twig, JavaScript 	

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Java, Python, C/C++, C#, PHP, Rust, Solidity, Dart, Kotlin, Swift, SQL

Frontend: React, Next.js, Angular, Astro.js, Vite.js, Tailwind CSS, HTML/CSS

Backend: Node.js, Express.js, Spring Boot, Symfony, RESTful APIs, GraphQL, Microservices

Mobile: Flutter, React Native, Android (Kotlin/Java), iOS (Swift), Xcode, Android Studio

Databases: MongoDB, PostgreSQL, MySQL, MS SQL Server, Redis, SQLite

Blockchain: Ethereum, Polygon, Solana, Solidity, Web3.js, Smart Contracts, IPFS, Arweave

Cloud & DevOps: AWS (EC2, S3, Lambda, CloudFront), Docker, Kubernetes, Jenkins, CI/CD, Git, Terraform

AI/ML: OpenAI API, GPT Integration, NLP, TensorFlow, Scikit-learn

Tools: SonarQube, Grafana, Prometheus, JWT, OAuth 2.0, WebSockets, WebRTC, Stripe, PayPal

Design: Figma, Adobe XD, Photoshop, Illustrator, After Effects, Premiere Pro

Languages: Arabic (Native), English (Fluent), French (Fluent), German (Intermediate)

CERTIFICATIONS

Hedera Blockchain Certification - Hashgraphdev	2024
Scrum Foundation Professional Certification (SFPC) - Certiprof	2020
Programming for Everybody (Python) - University of Michigan	2020
C Programming Fundamentals - UC Santa Cruz	2020

LEADERSHIP & COMMUNITY	
Founder - AspectJ Club (Multi-disciplinary: Writing, Photography, Editing, Coding)	2016
Member - Interact Kelibia, Rotary Family (Community Service & Social Impact)	2018 – 2019