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 – 2024*

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 **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**
- 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**
- 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**
- 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**
- 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**
- 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**
- Developed web application showcasing construction services and portfolio
- **Technologies:** Symfony, MySQL, Twig, PHP, SMTP Mailer

DevGuard - IT Services Platform | devguard.fr **2022**
- 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**