

# YOSSRI MELKI

+216 25 590 882   [✉ yosssrimelki@gmail.com](mailto:yosssrimelki@gmail.com)   [🌐 linkedin.com/in/yosssrimelki](https://www.linkedin.com/in/yosssrimelki)   [🐙 github.com/yosssrimelki](https://github.com/yosssrimelki)

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

Bachelor of Engineering in Computer Science - Mobile Development

Tunis, Tunisia

2019 – 2025

### Lycée Cité El Bosten

Baccalauréat in Computer Science

Tunisia

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

<ul style="list-style-type: none"> <li>Deployed Polygon smart contracts (95% cost reduction), Arweave storage, and PAdES signatures (99.65% faster workflow)</li> <li><b>Technologies:</b> Next.js, Solidity, Polygon, Arweave, IPFS, OpenAI API, Redis</li> </ul>	
<b>BestOfficiel</b> - eCommerce Platform   bestofficiel.com	<b>2024</b>
<ul style="list-style-type: none"> <li>Developed full-stack eCommerce platform processing \$50K+ in monthly transactions serving 2,000+ customers</li> <li><b>Technologies:</b> MERN Stack, Next.js, AWS, Stripe, CloudFront CDN</li> </ul>	
<b>T4Translation</b> - Multilingual Platform   t4translation.vercel.app	<b>2024</b>
<ul style="list-style-type: none"> <li>Built translation platform serving 1,000+ clients in 15+ languages with \$25K+ monthly transaction volume</li> <li><b>Technologies:</b> MERN Stack, Astro.js, Cloudinary, Stripe/PayPal</li> </ul>	
<b>Ghariani</b> - CRM & eCommerce   ghariani.tn	<b>2024</b>
<ul style="list-style-type: none"> <li>Created dual-purpose platform for 300+ B2B clients processing 1,500+ monthly orders with automated invoicing</li> <li><b>Technologies:</b> Symfony, MySQL, SMTP, Payment Gateway Integration</li> </ul>	
<b>DevOps CI/CD Pipeline</b>	<b>2024</b>
<ul style="list-style-type: none"> <li>Built comprehensive pipeline with automated testing, code quality analysis, and monitoring for Spring Boot applications</li> <li><b>Technologies:</b> Docker, Jenkins, SonarQube, Grafana, Vagrant</li> </ul>	
<b>LAYE</b> - Car Reservation Mobile App	<b>2023</b>
<ul style="list-style-type: none"> <li>Developed cross-platform rental app processing 800+ monthly bookings with Stripe/PayPal and Google Maps integration</li> <li><b>Technologies:</b> Spring Boot, Flutter, MongoDB, Stripe, PayPal</li> </ul>	
<b>ITBAT</b> - Construction Services Platform   itbat.fr	<b>2022</b>
<ul style="list-style-type: none"> <li>Developed web application showcasing construction services and portfolio</li> <li><b>Technologies:</b> Symfony, MySQL, Twig, PHP, SMTP Mailer</li> </ul>	
<b>DevGuard</b> - IT Services Platform   devguard.fr	<b>2022</b>
<ul style="list-style-type: none"> <li>Contributed to web application providing comprehensive IT services and solutions</li> <li><b>Technologies:</b> Symfony, MySQL, PHP, Twig, JavaScript</li> </ul>	

## 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	<b>2024</b>
Scrum Foundation Professional Certification (SFPC) - Certiprof	<b>2020</b>
Programming for Everybody (Python) - University of Michigan	<b>2020</b>
C Programming Fundamentals - UC Santa Cruz	<b>2020</b>
<b>LEADERSHIP &amp; COMMUNITY</b>	
Founder - AspectJ Club (Multi-disciplinary: Writing, Photography, Editing, Coding)	<b>2016</b>
Member - Interact Kelibia, Rotary Family (Community Service & Social Impact)	<b>2018 – 2019</b>