

IMAD EZ-ZAGHBA

Full-Stack Developer

📞 +212626651561 — 📩 ezzagba38@gmail.com — 💬 LinkedIn — 🐦 GitHub — 🌐 Portfolio

SUMMARY

Full-Stack Developer with expertise in building scalable web applications from frontend to backend. Proficient in React.js, Next.js, Node.js, and Fastify with strong experience in UI/UX design, API development, and database management. Skilled in Docker containerization and CI/CD pipelines. Demonstrated ability to deliver complete solutions from design and development to deployment with focus on performance, security, and user experience.

EDUCATION

UM6P - 1337 Coding school (42 Network) <i>Computer Science Program</i>	2023 - Present <i>Khouribga, Morocco</i>
USMBA – Sidi Mohamed Ben Abdellah University <i>Computer Engineering (MIP-Génie informatique)</i>	2021 - 2023 <i>Fez, Morocco</i>

PROJECTS

ft.transcendence | Next.js, TypeScript, Node.js, Fastify, WebSocket, SQL/NoSQL

- Developed a full-stack web application featuring a real-time multiplayer ping pong game with responsive UI/UX design.
- Architected scalable backend API using Node.js and Fastify with RESTful endpoints and WebSocket server for real-time communication.
- Implemented real-time chat system with private messaging, notifications, and friend management features.
- Designed and optimized database schema for user management, match history, and real-time statistics tracking.
- Built interactive dashboard with data visualization displaying user statistics, match history, and leaderboard.
- Integrated multi-language support and implemented authentication/authorization with JWT tokens.

Inception | Docker, Docker Compose, CI/CD, Nginx, MariaDB, WordPress

- Designed and deployed a scalable multi-container web infrastructure using Docker and Docker Compose.
- Configured services including Nginx reverse proxy, MariaDB database, WordPress CMS, and Redis caching layer.
- Implemented automated CI/CD pipelines for continuous integration and deployment workflows.
- Set up secure HTTPS configuration with TLSv1.2/TLSv1.3 encryption and database backup automation.

Social Media Profile Scraper (Freelance) | Python, FastAPI, Playwright

- Developed full-stack web scraping solution to extract targeted profile data from Facebook and Twitter platforms.
- Built RESTful API with FastAPI to expose scraping functionality with structured JSON/CSV output endpoints.
- Implemented modular architecture with error handling, retry logic, and rate limiting for reliability.
- Designed data processing pipeline to clean, transform, and structure extracted data for analysis.

Prayer Times Web App | React.js, RESTful APIs, Responsive Design

- Developed a responsive web application using React.js with mobile-first design principles.
- Integrated geolocation services and external APIs for accurate, location-based prayer times.
- Implemented backend service to fetch, process, and cache prayer time data with fallback mechanisms.

IRC Server Implementation | C++98, Network Programming, Socket Programming

- Built a fully functional IRC server from scratch handling multiple simultaneous client connections.
- Implemented non-blocking I/O using select() for efficient concurrent connection management.
- Developed robust error handling, connection timeout management, and channel management systems.

WordPress Website (Logistics / Transportation) (Freelance) | WordPress, HTML, CSS

- Built a corporate website for a transportation company using WordPress with custom layouts and responsive design.
- Integrated service pages, contact forms with validation, and email forwarding functionality.
- Optimized website performance and ensured cross-browser compatibility.

TECHNICAL SKILLS

Frontend Development: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Responsive Design, UI/UX Design

Backend Development: Node.js, Fastify, Express.js, Python, FastAPI, RESTful APIs, WebSocket, C++, C

Databases: SQL (PostgreSQL, MariaDB, MySQL), NoSQL (MongoDB, Redis), Database Design & Optimization

DevOps & Tools: Docker, Docker Compose, CI/CD Pipelines, GitHub Actions, Git, Nginx

Programming Languages: JavaScript, TypeScript, Python, C, C++

Other Skills: Network Programming (TCP/IP, Socket Programming), Security (JWT, OAuth, TLS/SSL), Microservices Architecture, Performance Optimization, Agile Development