CHADRACK MASSAMBA

FULL STACK DEVELOPER

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📍 Brazzaville, congo

PROFESSIONAL PROFILE

Full Stack Developer specialized in critical digital solutions and cloud-based applications. Expert in developing high-performance systems for mission-critical environments using React, Next.js, Flutter, and Node.js.

EDUCATION

BACHELOR'S DEGREE IN ANALYSIS AND PROGRAMMING

IEPA
2023-2026

HIGH SCHOOL DIPLOMA IN MANAGEMENT AND INFORMATION SYSTEMS

och
2022 - 2023

TECHNICAL SKILLS

LANGUAGES & FRAMEWORKS

- JavaScript/TypeScript : Expert - Enterprise and cloud-native applications
- React/Next.js : Expert - High-performance web solutions
- Flutter/Dart : Advanced - Critical cross-platform mobile applications
- Node.js/Express : Expert - Backend APIs and microservices
- Python : Intermediate - Automation scripts and data processing

DEVELOPMENT TOOLS

- Git/GitHub : Version control and distributed team collaboration
- Docker : Cloud-native application containerization
- Testing : Jest, Cypress - Quality assurance for critical systems

PROFESSIONAL EXPERIENCE

FULL STACK DEVELOPER

Melesisoft | Brazzaville, Congo |January 2025 - Present

- Developed high-performance cloud-native applications with React and Next.js
- Designed secure REST APIs for critical systems with <200ms response time
- Implemented robust digital solutions following industrial standards
- Deployed scalable cloud applications on distributed infrastructures

MOBILE DEVELOPER

Lamuka Consulting | Brazzaville, Congo| April 2024 - March 2025

- Created cross-platform mobile applications for critical systems using Flutter
- Developed real-time solutions with Socket.io for mission-critical communications
- Optimized application performance for constrained environments
- Integrated distributed PostgreSQL and SQLite databases

BACKEND WEB DEVELOPER

Brain-Corps | Brazzaville, Congo 2023 - 2024

- Architected secure REST APIs for enterprise digital solutions
- Developed robust backend systems handling 10K+ simultaneous requests
- Implemented monitoring and logging solutions for critical systems
- Optimized database performance with 40% latency reduction

DATABASES & CLOUD

- PostgreSQL: Expert – High-load transactional systems
- SQLite/MySQL: Advanced – Embedded & distributed solutions
- Cloud Technologies: Docker, CI/CD, Infrastructure as Code
- APIs REST/GraphQL: Scalable architecture design

SOFT SKILLS

- Complex problem solving : Debug distributed high-load systems
- Agile teamwork : Scrum, kanban, iterative development
- Technical communication : API documentation, system specifications
- Technology watch : Adoption of emerging cloud and IoT technologies

CLOUD DEVELOPMENT & CRITICAL SYSTEMS

- Digital solutions for aerospace : High reliability and performance systems
- Cloud-based applications : AWS, Docker, microservices architecture
- Mission-critical systems : Monitoring, logging, fault tolerance
- Distributed architecture : Load balancing, caching, horizontal scalability

PROFESSIONAL OBJECTIVE

Develop innovative digital solutions for aerospace by creating high-performance critical systems and robust cloud-native applications supporting the most demanding missions.

PROFESSIONAL INTERESTS

Emerging technologies, distributed systems, tech hackathons, industrial robotics, aviation and embedded systems

MAJOR TECHNICAL PROJECTS

REAL-TIME COLLABORATIVE PLATFORM

- Architected collaborative digital solution for distributed teams
- Implemented WebSockets for mission-critical real-time communications
- Deployed on cloud infrastructure with 99.9% availability

HIGH-PERFORMANCE STREAMING SYSTEM

- Developed video streaming platform supporting 1000+ concurrent users
- Implemented CDN and distributed cache for global performance optimization
- Integrated cloud-native solutions for content storage and delivery

REAL-TIME MESSAGING APPLICATION

- Created instant communication system for critical environments
- Developed scalable microservices architecture on cloud infrastructure
- Implemented end-to-end encryption for sensitive data security

OTHERS

LANGUAGES

- French : Native language - Technical and business communication
- English : Intermediate - Technical documentation and international collaboration

INTERESTS

- Open-source development & coding challenges
- Aerospace technologies & robotics
- Tech meetups & continuous learning
- Sports & travel

EXPERTISE

- System Analysis: In-depth assessment of complex digital systems
- Software Architecture: Design according to industry standards
- Performance Optimization: High-performance and scalable solutions
- Technical Strategy: Guidance on architecture, cloud, and critical systems