

MAZEN MOHAMED SIDDIG



IT Engineer - AI Developer

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PROFESSIONAL SUMMARY

AI & Software Development Specialist with extensive experience in **end-to-end software engineering, cloud computing, and mobile app development**. Proven track record in building **intelligent chatbots, cross-platform applications, and enterprise systems** that enhance collaboration, automate workflows, and drive innovation. **Certified by IBM** (AI & Full-Stack Development) and **Meta** (React Native Mobile Development), with deep knowledge in **Generative AI, Machine Learning, and DevOps** (Docker, Kubernetes, CI/CD, Cloud Security). Skilled in **leading teams**, delivering **scalable solutions**, and applying **Agile and DevSecOps** methodologies to ensure efficiency, reliability, and security. Experienced in collaborating with **NGOs and international companies** to develop impactful technology platforms that solve real-world challenges.

TECHNICAL SKILLS

Programming & Frameworks:

Python, PHP, JavaScript (ES6+), HTML5, CSS3, SQL, React.js, React Native, Django, Flask, Tailwind CSS, Redux, Node.js, WordPress, Bootstrap, RESTful API, Full-Stack Development, Front-End, Back-End.

Cloud & DevOps:

Docker, Kubernetes, CI/CD, DevSecOps, Cloud Computing, Containerization, Microservices, Serverless, IBM Cloud, PaaS, API Gateway, SOA, Istio, OpenShift, Hybrid Cloud, Cloud Security, IAM.

Mobile Development:

Meta & Zain Certified, React Native, Cross-platform, Android, Kotlin, Swift, Google Glide.

Tools & Collaboration:

Git, GitHub, Version Control, Code Review, Software Testing, Functional Testing, Integration Testing, Unit Testing, Jest, Quality Assurance.

AI & Machine Learning:

IBM Certified, Generative AI, LLMs, Machine Learning, AI/ML, Prompt Engineering, ChatGPT, OpenAI, Deep Learning, Natural Language Processing (NLP), Predictive Analytics, Data Structures, JSON, Object-Oriented Programming (OOP), Software Design Patterns.

Databases:

SQL, NoSQL, Firebase, Supabase, Relational Databases, DBMS, ORM.

Networking & IT:

Remote Access, CCNA (Beginner), ICDL, Computer & Network Administration, CLI, Linux, IDEs, Operating Systems, Virtual Environment.

Professional Skills:

Communication, Presentation, Negotiation, Agile Project Management, Project Management, SDLC Models, V-Model, Spiral, Big Bang, DevOps, ALM, Professional Networking.

EDUCATION

Bachelor of (Honours) in Information Technology

Future University

Professional Certificates

- Professional Certificate in Artificial Intelligence Developer | IBM
- Full-Stack Software Developer Professional Certification | IBM
- Meta React Native Mobile Developer Certification | Meta

PROJECTS

- **AI Chatbot – TDH Assistant Community Platform:** Developed for Terre des hommes to assist community members.
- **Jinja 1 Full Accounting App:** A personal project for comprehensive accounting management.
- **Work Hub App:** An original project designed to enhance collaboration and workflow management.
- **Air-Ticket-Reservation System:** A university project demonstrating system design and development skills.
- **Online Sweets Store:** A university e-commerce project.

CERTIFICATIONS & BADGES

- IBM Full-Stack Developer (15 Certificates)
- IBM AI Developer (10 Certificates)
- IBM AI Developer Badge
- React Native and Mobile Developer | Meta
- Software Developer Reference | IBM
- Supervisor | Aldahab Company
- Build a Mobile App with Google Sheets | Glide

ORGANIZATIONS

- **Terre des Hommes:** Volunteer – ICDL Course Instructor.
- **Samarat:** Volunteer.