Mael Sedjro BONOU

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Software Engineer at MTN Benin with strong expertise in software architecture, API development, UI/UX integration, artificial intelligence solutions, and DevOps practices. With hands-on experience building high-impact digital products used by thousands of users, I bring strong analytical skills, innovation capability, and the ability to collaborate across diverse technical and business teams

Proactive, result-oriented, and highly adaptable, I aim to drive MTN Benin's digital transformation as **Supervisor Software Engineer**, fully aligned with MTN's values: *Can Do with Integrity, Lead with Care, Collaborate with Agility, Serve with Respect,* and *Act with Inclusion*.

Experience

Software Consultant (Freelance)   **~6 months – Present**

- Supporting international companies with the design and development of large-scale software systems.
- Building backend services, optimizing APIs, and contributing to system architecture.
- Working with distributed teams using Agile/Scrum methodologies.
- Improving CI/CD pipelines, DevOps workflows, and software quality.

Software Engineer | MTN Bénin   **March 2024 – Present**

- Developing APIs, backend services, and modern user interfaces.
- Contributing to digital products used by thousands of customers nationwide.
- Designing and developing applications integrating artificial intelligence.
- Writing technical documentation, feasibility analyses, and architectural proposals.
- Working closely with architects, project managers, business analysts, and cross-functional teams.
- Applying Agile, DevOps, CI/CD, and security best practices.

Web Developer | Hôtel RAMAH   **October 2022 – November 2023**

- Built a complete website using Python (Flask) to increase the business's online visibility.

Network Administration Assistant | Debt Management Office (CAGD Bénin)
                                                             August 2023 – October 2023

- Supported IT infrastructure monitoring, maintenance, and troubleshooting.
- Managed internal network equipment and supervised user support operations.

Web Developer Intern | IITECH   **August 2022 – October 2022**

- Migrated large legacy PHP applications to Laravel.
- Improved application architecture and optimized performance.

EDUCATION

Engineering Degree – Computer Networks & Internet | Ecole Polytechnique d'Abomey-Calavi

Juin 2025

Science Baccalaureate – Series C | Collège Catholique Ste Thérèse de l'Enfant Jésus

Juin 2019

Skills

Software Development

- Python, Rust, JavaScript
- Django, Flask, Node.js
- React, Vue.js (bases)

Architecture & Engineering

- System Design, Design Patterns
- API Design & Integration
- Microservices & Distributed Systems
- Secure Software Development

Soft Skills

- Leadership & team guidance
- Strong analytical and critical thinking
- Excellent communication
- Organization, prioritization & autonomy
- Customer-centric mindset
- Curiosity, continuous learning, active technological watch
- Ability to work under pressure and meet deadlines

DevOps & Cloud

- Docker, Kubernetes
- CI/CD (GitHub Actions, GitLab CI)
- AWS, Azure (notions)

Databases

- PostgreSQL, MongoDB, MySQL

Other Skills

- Git & Versioning
- AI Integration (OpenAI APIs, LLM-based applications)
- Professional English proficiency