

# MOUSSA DIENG

Full Stack Developer

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## PROFILE

Passionate Full Stack Developer with 4+ years of intensive development experience in designing modern web applications and microservices architectures. Versatile in backend/frontend ecosystem with solid experience in cloud technologies and DevOps methodologies. Trained through Zone01's peer-to-peer approach, I combine technical autonomy and collaborative spirit to deliver high-performance solutions.

## EDUCATION

[Zone01 Dakar](#) – Intensive Computer Science Program (peer-to-peer learning) **2022 - 2025**

- Intensive software development training - Peer-to-peer approach
- Successfully completed **15+ full-stack projects** (individual/team) with a focus on **Go, JavaScript, rust, Java, and cloud technologies**, guided by project-based instructions (e.g., e-commerce platforms, social networks).
- Intensive software development training - Peer-to-peer approach
- Developed expertise in **autonomous learning**, **collaborative problem-solving**, and **Agile workflows** without formal instructors.

**Cheikh Anta Diop University** **2021 - 2022**

L1 Mathematics - Physical Sciences - Computer Science

**Baccalauréat Science Series S1** **2020 - 2021**

Mathematics - Physical Sciences at Lycée Seydina Limamou Laye de Guédiawaye

## PROJECT

[Buy01 – Complete E-commerce Platform \(Personal Project\)](#)

- **Architecture / Technical Design:** Modern microservices architecture with separation of responsibilities (Spring Boot/Angular).
- **Security / Best Practices:** JWT/OAuth2, RBAC, HTTPS/SSL encryption.
- **Main Features:** Order management, smart shopping cart, seller/buyer analytics, seller dashboard.
- **Integrations / Advanced Technical Aspects:** Stripe payments, secure image upload, asynchronous messaging via Kafka.
- **CI/CD / Deployment:** Test automation and deployment with Jenkins and Docker.
- **Impact / Result:** Production-ready solution demonstrating complete mastery of Spring ecosystem.
- **Tech Stack:** Spring Boot, Angular, Kafka, MongoDB, JWT/OAuth2, AWS S3, Docker.

[Social Network - Full Stack Social Network \(Team Project - 4 developers\)](#)

- **Architecture / Technical Design:** REST API in Go, responsive Next.js interface, optimized SQLite database.
- **Security / Best Practices:** Public/private profile management and post privacy levels.
- **Main Features:** Follower system, 3-level post privacy, real-time chat, push notifications, groups with event management and invitations.
- **Integrations / Advanced Technical Aspects:** WebSocket (Gorilla) for chat and push notifications, DB migrations with golang-migrate.
- **CI/CD / Deployment:** Containerized deployment via Docker, following Agile methodology and code review.
- **Impact / Result:** Key participation in the real-time part of the project, ensuring a smooth and responsive user experience.
- **Tech Stack:** Go, Next.js, SQLite, Docker, WebSocket (Gorilla).

## Technical Skills / Professional Assets

- **Languages & Frameworks:** Java (Spring Boot) • Go • JavaScript/TypeScript • Angular • React/Next.js
- **Architecture & Backend:** Microservices • REST/GraphQL • Kafka • JWT/OAuth2 • Spring Security
- **Databases & Cloud:** MongoDB • MySQL • SQLite • AWS (S3, EC2) • Docker
- **DevOps & Tools:** Jenkins CI/CD • Git/GitHub • Linux • Agile
- **Soft Skills:** Autonomy (Leading projects from A to Z) • Collaboration & Leadership • Fast Learning • Problem Solving
- **Languages:** French (fluent) • English (advanced) • Wolof (native)