

Papa Alioune Touré

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PROFILE

EPITA graduate specializing in **backend** and **distributed systems**, currently **Software Engineer** at **360Learning**, with hands-on experience in **cloud infrastructure**, **observability** and **AI-powered systems**.

SKILLS

- **Languages:** Python, TypeScript, Java
- **Backend:** FastAPI, Node.js, NestJS
- **Frontend:** React
- **Cloud/Infra:** AWS, Docker, Kubernetes
- **Obs & AI:** Prometheus, Grafana, Datadog, LLM integration

WORK EXPERIENCE

360Learning: *Software engineer (Full-time)* Nov 2025 – Present

- Contribute to backend development and maintenance of core learning platform services.
- Collaborate with cross-functional teams to deliver reliable, well-tested features.

Dataiku: *Software engineer intern* Mar 2025 – Aug 2025

- Designed and implemented a fuzzy matching tool to detect and merge near-duplicate records in datasets, leveraging string similarity algorithms such as Levenshtein, Jaro–Winkler, and others (**>98% of true positives** and **less than 0.01% of false positives**).
- Developed backend logic in **Java** and built the user interface with **AngularJS**.
- Ensured compatibility with multiple database engines including **Snowflake**, **BigQuery** and **Spark**.

Hexaglobe: *Software developer intern* Sep 2023 – Jan 2024

- Developed microservices using Flask for AI applications, including:
- APIs for subtitle translation, audio-to-text transcription, and selective blurring of individuals in videos.
 - Implemented dynamic microservice container management with Celery.

EDUCATION

EPITA - École pour l'informatique et les techniques avancées || Paris, France Sep 2022 – July 2025

- *Master's degree in computer science (graduated: July 2025).*

SupdeCo || Dakar, Senegal Sep 2020 – July 2022

- *Integrated preparatory course at EPITA Dakar.*

PROJECTS

Rakine: || Python (FastApi), AWS, Github Actions, Kotlin, Sentry Jan 2025 - Present

- Fleet management platform (API + mobile app) for businesses.
- Designed, developed and deployed a full production system, currently used in production by 2 companies.

Discover App || Ionic/Vue3, Java (Spring), MongoDB, PostgreSQL Sep 2023 – Jan 2025

- *A mobile app that tracks local events, recommends personalized activities, and facilitates group planning with an interactive map and messaging.*

Vision || C, GTK 2022

- *School results prediction software using the Naive Bayes algorithm.*

CERTIFICATIONS

- **AWS Certified Solution Architect – Associate:** Validation N°: f8121135c2fa4703b225e161266d7217
- **TOEIC:** 945/990

LANGUAGES

- **French:** Native
- **Wolof:** Native
- **English:** Fluent