



— SURVEYING — WEB GIS — 2D/3D DEVELOPMENT

Bourahma Ouattara *Djakalia*

Land Surveyor & GIS Developer · EYE AFRICA

Turning geographic data into territorial intelligence.

10

GIS & software projects
delivered

7

web GIS platforms

3

platforms: web, desktop,
mobile

CONTACT



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Côte d'Ivoire (Ivory Coast)

PROFILE

Surveying technician with a passion for new technologies, I design and build digital tools for surveying and urban planning. My goal: modernising the surveyor's working methods through programming, automation and data visualisation.

TECHNICAL SKILLS

Survey instruments

Total station Differential GPS

Level Theodolite

Surveying & GIS

AutoCAD Covadis QGIS

PostgreSQL / PostGIS GDAL / OGR

Programming

Python Django JavaScript

PySide6 C++ HTML / CSS

Office tools

Microsoft Office

STRENGTHS

- Innovative
- Creative
- Team player
- Critical thinker

INTERESTS

- Programming
- History
- Culture
- Sport

CAREER

Experience

OCT. 2025 → PRESENT

POSITION

Surveying Technician & GIS Developer

EYE AFRICA · eye-africa.com

Design and development of web GIS platforms, land management platforms and management tools, alongside a geomatics engineering programme. Focus: web GIS, digital mapping, land tenure, spatial data processing and analysis, 2D/3D visualisation, databases.

JAN. → SEPT. 2025

INTERNSHIP

Surveying Technician Intern

General Immobilier (GICO) · [civil engineering works](#)

"I moved from rod holder to instrument operator." Boundary survey and condition report of the Mondoukou Aziz parcel ahead of a subdivision.

OCT. 2024 → JAN. 2025

INTERNSHIP

Surveying Technician Intern

ELELYON COM · [civil engineering works](#)

"Rod holder, and very often instrument operator." Theodolite setting-out of the subdivision plan for Carrières Otchoumou Attin 1 (95,354 m²).

AUG. → OCT. 2024

PRE-INTERNSHIP

Lot identification

Global Entreprise · [real estate sales](#)

QUALIFICATIONS

Education

2025 → PRESENT

IN PROGRESS

Geomatics engineering programme

2024

BTS

BTS in Civil Engineering, Surveying option

CEM-BTP, Bonoua · [eligible for the Higher Technician Diploma \(BTS\)](#)

2022

BAC

Baccalaureate in Accounting

VHK Technical College, Bonoua



— EYE AFRICA & PERSONAL PROJECTS

Projects delivered

01 INDUSTRIAL ZONES

WebGIS SOGEDI

Web GIS platform for managing industrial zones: multi-criteria search, parcel lookup, spatial analysis, map export and dashboards.

Django · PostGIS · JavaScript

02 LAND MANAGEMENT

WebGIS Tindara

Land management system for the local authority of Tindara: lot mapping, allocations, owners, disputes and documents.

PostgreSQL / PostGIS · Python · JavaScript

03 PORT DECISION-SUPPORT GIS

WebGIS of the Port Autonome d'Abidjan

Decision-support GIS for the port estate: territorial monitoring, land use, infrastructure, planning and analysis of spatial change.

PostGIS · Web GIS · Dashboards

04 FOREST CARBON

Géo-Carbone API — Oumé

Forest carbon monitoring across six classified forests in Oumé: land cover and carbon stocks from 1986 to 2023.

Python · GDAL · Raster · API

05 LAND TRANSACTIONS

EYE-Foncier

The first secure Ivorian land transaction platform: search for, verify and acquire land with complete confidence.

Web · API · Spatial database

06 MISSION MANAGEMENT

EYE-Administrator

Web, desktop and mobile app for managing surveying missions: teams, field tracking, budgets, documents and reports.

Web · Desktop · Mobile

07 PROFESSIONAL SOFTWARE

TOPORAHMA

Software for surveyors and urban planners: point clouds, 3D visualisation, automatic 2D/3D subdivisions and realistic renders.

Python · PySide6 · PyVista / VTK

08 AI & DECISION

Geographic AI assistant

Intelligent assistant for querying, analysing and using geographic data to support decision-making.

Python · LLM · PostGIS

09 FOOD MARKETS

OCPV GeoVivrier

Food-crop market information system: market mapping and price tracking across the whole of Côte d'Ivoire.

Web GIS · PostGIS · Dashboards

10 TIMBER SUPPLY CHAIN

TraçaBois — SODEFOR

Timber traceability from forest parcel to market, with automatic detection of irregularities.

Web GIS · PostGIS · Spatial analysis

— HANDS-ON SKILLS & FIELD WORK

In the field

Topographic survey

Point coordinates and elevations

Levelling

Elevations relative to a datum

Setting out

Transferring the design to the ground

Data processing

From surveys to accurate plans



Carrières Otchoumou Attin 1 development

ELELYON COM

Theodolite setting-out of the subdivision plan and reference boundaries on a 95,354 m² parcel.



Boundary survey & condition report · Mondoukou Aziz

GICO Immobilier

Exact boundaries and current state of the parcel, to inform a future subdivision project.



“Pativoire” earthworks

ENS-BTP · Bonoua industrial zone

Assistant earthworks lead: planning, coordination and execution of earthworks for a factory.



Designing TOPORAHMA

Young Système Innovation (YSI)

Software that makes surveyors' daily work easier, combining ease of use with technical power.

OBJECTIVE

Let's shape your territory.

Delivering modern, tailor-made technology solutions and services for every sector, to boost performance.

PORTFOLIO

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