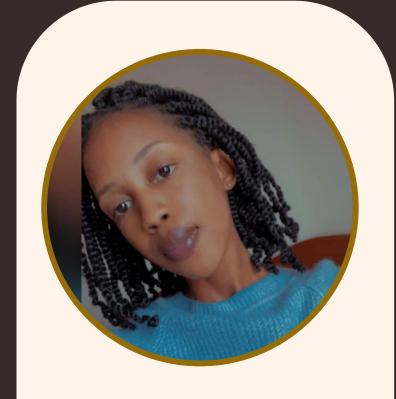


Team Presentation - Group 1

Advanced Python Programming

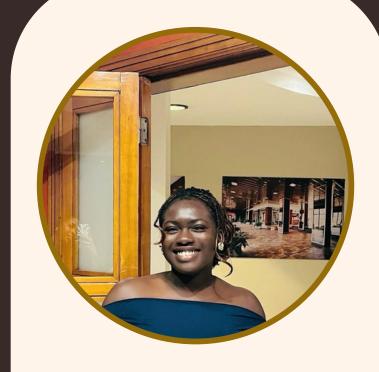
01 MEETTHETEAM & ROLES

Designing with Purpose: Our Team Structure



BELINDA BELANGE LAROSE

Security Designer



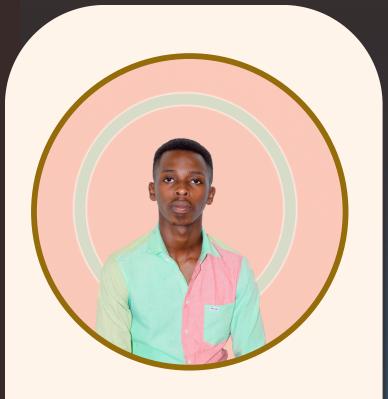
NANA KORAMAH ABEASI

API Architect



NAGASARO GHISLAINE

Documentation Specialist



DANIEL IRYIVUZE

Endpoint Designer & User Experience Analyst

02 RESOURCE MODELING

The Building Blocks of JuaJobs

O1 Core Resources: Users, Jobs, Worker Profiles, Applications, Reviews

O2 Added Resources: Payments, Notifications, Categories

03 ENDPOINT DESIGN

RESTful Endpoints - Designed for Clarity & Scale

Code Samples:

**

POST/jobs
GET/workers/{id}
PATCH/applications/{id}/status

Principles:

**

RESTful structure, naming conventions, hierarchy

04 SMART QUERYING & FILTERING

Powerful Querying: Find What You Need Fast

FILTERS:

- * ?search=driver&city=Kigali
- * ?sort=-rating&limit=10
- # ?lat=1.9&lng=30.1&radius=15km

05 ERROR HANDLING & VERSIONING

Stability & Feedback Built In

Components:

- Unified error format
- Versioning via /v1
- Deprecation policy



06 DEVELOPER DOCUMENTATION

Complete API Docs: Clear, Helpful, Developer-Ready

Content:

- OpenAPI Spec
- Swagger UI preview
- Onboarding guides, use cases

07 SECURE BY DESIGN

Security Tailored for Mobile Markets

MECHANISMS:

- JWT auth with refresh tokens
- HTTPS mandatory
- Role-based access (Admin, Worker, Client)

08 MARKETADAPTATION

Made for Africa: Languages, Payments, Connectivity

ADAPTATIONS:

- Multi-language (EN, SW, FR, Kiny)
- Mobile money integration (M-Pesa, MoMo)
- Low-bandwidth strategies (batch ops, caching)

09

WHAT WE DELIVERED

Robust API Assets Ready for Deployment

- API Design Doc
- Swagger/OpenAPI Spec
- Entity Relationship Diagram
- Developer Guides
- Github Repo

10 KEY INNOVATION HIGHLIGHTS

Highlights of Innovation







Localization-aware API behavior

Smart auth flow for unstable networks

Interactive developer onboarding tools

LET'S BUILD THE FUTURE OF WORK TOGETHER

JuaJobs API - Ready to Connect Africa's Talent

THANKYOU

Github link