Alexandro Disla

Data Analyst / Backend Developer

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Experiences

Part-time based — **Backend Developer**, *Contractor*, Tekkod LLC
- Write RESTFUL web services;
- Ensure that the web services are dockerized;
- Ensure the well documentation of the Endpoints;
- Ensure the complete documentation and version of the web services;
- Ensure that the web services have metrics;
- Ensure that the web services have JWT security and password hashing;
- Ensure that the web services follow the repository pattern to decouple the DB layers from the controllers layers;

March 2021 to May 2024 — **Monitoring and Evaluation Officer**, *M&E department*, Impact Youth Project, Caris Foundation Internationale
- Set up information collection forms;
- In collaboration with the IT team, ensure that these forms are implemented on Commcare;
- In association with the IT team, ensure the implementation of these forms in certain cases on HIVHaiti (the Web application);
- Ensure regular internal evaluation of data quality;
- Automate routine reports on field activities;
- Automate and subsequently verify the various scripts needed to calculate the indicators;
- Verify and ensure the integration of data from Commcare into the MYSQL database of the organization;
- Write REST endpoints to feed the dashboard on HIVHaiti for the presentation of indicators.

October 2021 - December 2021 — **Software Development Consultant**, *CassionSoft*, project consisting in writing a REST API service with authentication and authorization for the analysis of forms provided by the IT team, of UNOPS
- Set up the authentication for the API with Oath2 and JSON web token;
- Add the authorization strategy into the API;

November 2015 - March 2021 — **Economist**, *Global Planning Service*, Directorate of Economic and Social Planning, Ministry of Planning and External Cooperation
- Analyze and monitor on a weekly basis the trend of the main macroeconomic aggregates;
- Participate in the development of various public policy implementation reports;
- Work in concert with the statistical and modeling service in impact policy simulations through the "Information and Development Planning Model";

Trainings

2009–2010 — **Baccalaureate**, *Institution Saint-Louis de Gonzague, high school*, Philo Section C, *mention well*

2010–2014 — **Diploma of Higher Studies**, *School Planning and Applied Economics (C.T.P.E.A)*, Undergraduate level, *Applied Economics*

Skills

Statistics & data

○ Data visualization:

○ Geo-analysis:

○ Data Wrangling:

○ Automation scripting:

○ Web Scraping:

○ Data Modeling:

○ SQL Scripting:

○ Commcare, mWater, ODK Based:

Technical tools

○ Quarto scientific and technical publishing system:

○ Streamlit for data application:

○ Microsoft Office (Word, Excel, PowerPoint):

○ LaTeX & Beamer:

Development

○ REST API:

○ HTTP Networking:

○ MicroServices:

○ Message Broker:

○ SQL:

○ NOSQL:

○ Linux:

○ Docker:

Frameworks

○ FastAPI:

○ Pandas, GeoPandas & Polars:

○ Beanie & Pymongo:

○ SQLModel & SQLAlchemy:

○ Uvicorn:

○ Pydantic:

○ GGplot2:

○ Tidyverse & PlumbeR:

○ StatModels:

○ Plotly, Matplotlib & Numpy:

○ Scrapy:

○ BeautifulSoup4 & Selenium:

Language

○ English:

○ French:

○ Creole:

Hobbies & Activities

- Sport, programming, calisthenics and martial arts
- Freelancing