Alexandro Disla

Analyst–Programmer | Data & Backend Developer

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GitHub: https://github.com/AD0791

Professional Profile

Versatile developer specialized in integration, automation, and data analysis, with over four years of experience in API development, database modeling, and business process optimization. Experienced in multi-system environments, I design and maintain reliable, well-documented, and secure IT solutions to support digital transformation and data-driven decision-making.

Key Strengths: Development of secure, containerized RESTful APIs (Docker); Data automation and integration (SQL, ETL, Commcare, MySQL); Visualization and reporting (Plotly, Matplotlib, Power BI, Looker Studio, RMarkdown, Quarto); Documentation, version control, and collaboration (Git, DevOps mindset); Cloud experience (AWS, Google Cloud, BigQuery, Apache Beam); Analytical approach grounded in training in applied economics.

Professional Experience

MWater & Data Analyst Consultant – HANWASH (Oct 2023 – Present)

Part-time contract – Remote (Upwork). Collaborated with the M&E; team to resolve data management issues from field collection via mWater. Designed and implemented dashboards to present results to stakeholders. Created and deployed mWater surveys compliant with JMP standards, aligned with the logical framework and indicator matrix. Produced training guides (PowerPoint) to help stakeholders and managers understand and use dashboards. Trained data entry teams on using the mWater mobile app.

Backend Developer – Tekkod LLC (Mar 2021 – May 2024)

Part-time contract. Developed RESTful web services following best practices. Implemented Docker containers and deployment pipelines. Secured APIs with JWT authentication. Applied repository pattern, documented endpoints, and versioned via Git. Built data pipeline to migrate MongoDB data to BigQuery via Apache Beam. Created and maintained Looker Studio dashboards. Contributed to frontend tasks for React and React Native projects.

Monitoring & Evaluation Officer – Impact Youth Project, Caris Foundation International (Oct 2021 – Aug 2024)

Designed digital data collection forms integrated into Commcare / HIVHaiti. Automated activity tracking reports using Python and SQL. Developed REST endpoints for internal dashboards. Created and deployed weekly dashboards via AWS using RMarkdown and Quarto. Maintained EID Power BI dashboard with biweekly updates. Ensured data quality and automated MySQL integration.

Software Development Consultant (UNOPS Project) – CassionSoft (Nov 2015 – Mar 2021)

Developed a REST API service for form analysis with OAuth2 / JWT authentication. Implemented authorization strategies and complete technical documentation.

Economist – Ministry of Planning and External Cooperation (2014 – 2015)

Monitored macroeconomic indicators, contributed to public policy reports, and collaborated with modeling teams for socio-economic simulations.

Education

• Advanced Studies Diploma in Applied Economics, C.T.P.E.A (2010–2014)
• High School Diploma (Philosophy, Honors), Institution Saint-Louis de Gonzague (2009–2010)
• Self-learning: Power Platform (Power Apps, Power Automate), Power BI, Azure Fundamentals

Technical Skills

Languages & Frameworks: Python, FastAPI, SQLModel, SQLAlchemy, Pydantic, Pandas, Numpy, Plotly, Docker, Git, React, React Native
Databases: MySQL, PostgreSQL, SQL Server, MongoDB (Beanie, Pymongo), BigQuery
Tools & Automation: Commcare, Streamlit, Power BI, Looker Studio, RMarkdown, Quarto, Apache Beam, AWS, Google Cloud, VS Code
Methodologies: CI/CD, API Documentation, Unit Testing, Monitoring & Metrics, Data Integration (ETL)
Languages: French (fluent), English (fluent), Creole (native)

Distinctive Strengths

Strong ability to quickly understand business processes and translate them into technical solutions. Commitment to code quality, security, and performance. Team spirit, rigor, and continuous curiosity for technology (AI, automation, Power Platform).