

MONICA DE OLIVEIRA

Data Scientist/Analytics Python Developer

@ monica.ufop1@gmail.com +55 19 998468664 Campinas - SP, Brazil <https://oliveiramonica.github.io/portfolio/>
<https://www.linkedin.com/in/oliveira-monicas/> <https://github.com/oliveiraMonica>

SUMMARY

Versatile professional with over 5 years of expertise in backend development and data analytics. Specialized in Python programming for web applications, particularly in finance, banking, and fintech. Experience in Design, Development, Testing, Automation, Enhancement, and Maintenance of scalable backend solutions collaborating effectively with cross-functional teams. Seeking a challenging role as a Backend Developer to contribute skills and experience to a dynamic organization. Expertise includes database engineering, ETL, machine learning, and data processing, with in-depth knowledge of Python frameworks and web infrastructure.

EXPERIENCE

EMC Sistemas

2017-2018 Belo Horizonte, MG | Brazil

EMC Sistemas is a platform for Business Management Solutions.

- Developed web services using Restful technology to support JSON and XML. Implemented RESTful Web Services for the data transportation between multiple systems.
- Created a data visualization dashboard with Dash and Plotly for real-time monitoring of key performance indicators, leading to a 28% increase in customer conversions

Eu Quero Grana

2019-present Campinas, SP | Brazil

EQG is a financial technology company (fintech) that offers banking services.

- I automated ETL processes with Pyspark and pandas, seamlessly integrating data between MySQL and MongoDB. Leveraging Jenkins for continuous integration and Docker for efficient containerization, resulting achieved a significant 25% optimization in data retrieval time.
- Designed and implemented a data warehouse in Azure SQL, consolidating data from multiple sources and reducing retrieval time by 30%.
- Implemented predictive regression models utilizing machine learning algorithms and Google Analytics to optimize marketing campaigns, resulting in a 15% boost in customer conversions.
- Spearheaded the implementation of a CRM system, utilizing Django ORM for server-side application development and establishing API REST endpoints for CRUD operations, following Test-Driven Development (TDD) and best practices by implementing MVC architecture for a scalable and efficient solution in addition to ensuring integration with the frontend.
- Responsible for UI mockup implementation, third-party banking API integration, and data storage management. Developed Microservices and APIs using Python frameworks such as Django and Flask and migrated to MySQL as a corporate-level database. Additionally, created a web application communicating with the backend through RESTful API and incorporating technologies like Celery for task processing and Redis for caching.
- As a Project Manager, I led project timelines, facilitated agile sprint planning meetings, and managed communication for a 7+ member team. Utilizing SCRUM in agile development practices, I tracked sprint cycles with JIRA issue management and implemented GitHub for effective code version control, enhancing the efficiency and quality of our continuous delivery processes.

SKILLS

- Programming Languages:** Python, JavaScript, SQL, Java, React
- Frameworks:** Django, Flask, FastAPI
- Database Systems:** PostgreSQL, MySQL, MongoDB
- Version Control:** Git, GitHub
- RESTful APIs:** Django REST Framework, Flask-RESTful, FastAPI
- Cloud Platforms:** AWS, GCP, Azure
- Build and Orchestration Tools:** Jenkins, Kubernetes, Docker
- Testing and Debugging:** Unit testing, PyTest, PyUnit, Debugging Tools
- Agile Methodologies:** Scrum, Kanban
- Analytical Skills:** SciPy, NumPy, Pandas
- Additional Skills:** Data Analysis, Machine Learning, Celery, Data Visualization, Database Management, Expo, JIRA, Web Scraping.

SOFT SKILLS

Critical Thinking Adaptability
Communication & Teamwork
Project Management Motivator
Leader

LANGUAGES

Portuguese ● ● ● ● ●
English ● ● ● ● ●

EDUCATION

B.S. Computer Engineering
University of Ouro Preto, MG | Brazil

2012-2018

Thesis title: Pattern Recognition in running biomechanics using Machine Learning