Bibiana Mollinedo Rivadeneira

Python Backend Developer

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More than 5 years of hands-on experience and an Engineering degree. Open source/Free Software enthusiastic. Strongly interested in **data engineering, networking, RTC software, and space mission projects**.

WORK EXPERIENCE

Shiphero, New York, NY – April 2022 - January 2023 - **Python Backend Developer**

Ecommerce platform, 5-members engineering team: migration, maintenance and code refactoring using Python3, Flask, GraphQL, AWS.

- Migrating and integrating Amazon Merchant API for +1k products/month.
- Implementing Locus stress test to handle 1M+ pre-orders traffic.

Properati/OLX, Buenos Aires, AR – April 2021 - April 2022 - **Backend Developer**

LATAM real estate start-up, 8-member team: microservices migration, maintenance, code refactoring, new feature dev using Golang, Ruby, Bash, Python3, Gcloud, AWS.

- Recommender prototype development with gorse.
- Python code refactor for improved geo-core API scalability.

Welo TV, Córdoba, AR – December 2020 - April 2021 - **Python Developer and Telco consultant**

RTMP and HTTP multimedia streaming on-demand start-up, 7-members company: code refactoring using Python3, fastAPI, jwplatform, elasticsearch, Gcloud, docker, kubernetes.

- Refactored +4 projects, improved docs, promoted standards.
- Researched and advised on networking protocol implementations.

AG Projects, Amsterdam, NLD – December 2019 - December 2020 - **Python RTC Developer**

RTC systems and public domain packages 3-members company: code version migration, refactoring and new dev using Python2/3, Cython, fastAPI, opensips, darcs.

- Rewritten +5 twisted projects by Python/Cython 2 to 3 migration with the modern stack.
- Developed an async Mobile push notifications RTC server from scratch with fastAPI.

SKILLS

Python, pandas, Matplotlib, NumPy, Beautiful Soup • FastAPI, Flask, Twisted, asyncio, pytest, unittest JupyterLab, conda, LaTeX • Bash, Ruby, Golang • Mysql, PostgreSQL, MongoDB, Cypher • Git, Darcs Docker, K8s, Gcloud, AWS • HTTP, TPC/IP, SIP, VoIP, SOAP • Agile, Scrum, TDD.

LANGUAGES
- **Spanish:** native. • **English:** upper intermediate (B1/B2)

EDUCATION
- **Telecommunications Engineering degree,** National University of Río Cuarto AR – December 2019
- **IT Technician,** National University of Jujuy AR – February 2012

PROJECTS
- **farecito - data engineering project** — 2023
(Personal Project) Web scrape of cheap bus trips using Python, FastAPI, neo4j, cypher, beautiful-soap.
- **optiGaussPy - simulation of optical waves** — 2019
(Academic Project) Friendly tool for the study of the propagation of gaussian waves with chirp and chromatic dispersion through fiber optic using Python, jupyterlab, binder.

ACHIEVEMENTS AND COMMUNITY INVOLVEMENT
- **Teaching IT:** Intro to Data Analysis, Telecommunications courses, scientific articles.
- **Volunteer/organizer:** FLISoL, Django Girls, TEDx.
- **Mentions/prizes:** NASA SpaceApps, Environmental Smart Metering, INET, Thinkquest (Oracle foundation)