Ricardo Apú

Python Backend Engineer

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Languages: English (Fluent), Spanish(Native), German(Basic), French(Basic)

Summary

Experienced Backend Developer with 5+ years of expertise in designing, building, and maintaining RESTful APIs and data layers using Python frameworks like FastAPI and Django. Skilled in database technologies including PostgreSQL, MongoDB, and Cassandra. Strong background in implementing complex application logic, integrations, and automating processes. Proven ability to lead technical projects and collaborate with cross-functional teams.

Technical Skills

Python | Django | FastAPI | SQL | PostgreSQL | MongoDB | Cassandra | Java EE | Bash Scripting | Git | REST APIs | Data Processing | ETL | OOP | MVC

Professional Experience

- Moody's (Jun 2024 - Present) *Senior Software Engineer*
  - Supported internal apis, data-layers, job queue, company-wide SSO, statistical model storage and deployment.

- Gorilla Logic (Oct 2020 - Nov 2023) *Mid Backend Engineer*
  - Led the construction of the data layer in PostgreSQL and FastAPI for an existing front-end application.
  - Supported and maintained a multi-tenant Django app providing web stores for gyms and salons. Kafka.

- EYCA (Jul 2019 - Oct 2020) *Fullstack Developer*
  - Implemented Zero-Knowledge Proofs (ZKP) for privately transferring token ownership on a public ledger.
  - Maintained an Express RESTful API with a MongoDB database.
  - Directed a Python PoC for trilateration using specialized hardware.

- Independent (Oct 2018 - Aug 2019) *Software Consultant*
  - Fixed bugs in a Python server for pulling and transforming ocean and meteorological data.
  - Created views in a large MSSQL Server database for a US pharmaceutical company.

- Symbiotic (Feb 2016 – Oct 2018) *Backend Developer (Part-time)*
  - Designed and maintained RESTful APIs in Java EE 8 and Django with MariaDB and Cassandra databases.
  - Developed Bash and Python scripts for data manipulation, ETL processes, and internal tool automation.

Research

- **Undergrad Research** Escuela de Ciencias de Computación e Informática, UCR July 2018 – Jan 2020 | San Pedro de Montes de Oca, San José, Costa Rica Worked with students and teachers to create a remote interface in the style of Wizard of Oz for a NAO robot using Python.

- **Research Assistant** August 2018 – Dec 2018 | San Pedro de Montes de Oca, San José, Costa Rica Assisted teacher in his PhD project concerning the use of Computer Vision to recognize some of the Costarrican Sign Language (LESCO). Helped improve coding style and performance of Python code.

Education

- Bachelor in Computer Science, Universidad de Costa Rica (2014-2018)