FRANCISCO GONZALEZ

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SUMMARY

Python developer with contract experience in data pipelines, **backend** systems, and risk modeling.

SKILLS

- Frameworks: **Django**, **Flask**, **FastAPI**
- Databases: **PostgreSQL**, **MySQL**, **SQLite**
- Tools: **Git**, **VSCode**, Jupyter, Bash
- Other: **ETL** Pipelines, Data Modeling
- Programming: **Python**, **SQL**, **JavaScript**

EXPERIENCE

Python Developer – Contract at Outlier.AI | Jun 2024 – Present

- Validated **Python**-based AI outputs on structured datasets to ensure logic consistency.
- Maintained **ETL** flows using **pandas** to support model analysis and **backend** data integrity.
- Collaborated cross-functionally to build **scalable** tools for structured data validation.
- Built lightweight **automation** tools to streamline scenario testing and exception reporting.

Software Developer – Contract at Cupen Systems | May 2021 – Jun 2024

- Developed **backend** services with **FastAPI** and **Django** powering multiple data systems.
- Implemented data ingestion pipelines and modular logic using **pandas** and **Python**.
- Used **plotly** and **matplotlib** to visualize performance, decay, and risk scoring patterns.

Engineer – Hybrid at USPRO | January 2020 – April 2021

- Created internal documentation aligning **backend** tools with infrastructure **workflows**.
- Assisted with QA and **ETL** operations to ensure continuity across **Agile** deliverables.
- Dedicated and committed approach with good communication skills and participation in **agile** ceremonies.

PROJECTS & INTERESTS

SPX 0DTE Options Trading Simulator
Simulated capital risk using gamma acceleration, delta expansion, time decay, and volatility. Ran 100+ **Python**-based scenarios with **pandas** and **matplotlib** to optimize risk outcomes.

SPX Options Market Analytics Dashboard
Built **plotly** dashboards to analyze option decay, intraday liquidity shifts, and volatility trends. Fetched real-time SPX data using headless OAuth flows from Schwab **API**.

Resume AI Automation Engine
Created **backend** system for parsing job descriptions and generating tailored resumes. Used structured prompts, OpenAI **integration**, and modular **Python** logic.

EDUCATION

B.S. in Engineering – Universidad Jose Antonio Paez (ABET) | October 2017

ADDITIONAL INFORMATION

- Authorized to work in the United States under EAD C08. Open to relocation and remote roles.