Anthony Baxter

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* Full Stack Developer | Python | Rust | React *

SUMMARY

Full Stack Developer with a background in investment management, specializing in data-driven products. Developed an open-source algorithmic trading platform using Python, Rust, and React, enabling traders to seamlessly transition from strategy development to deployment. Experienced in constructing ETL pipelines for financial market data into a PostgreSQL database.

EXPERIENCE

Software Developer (Open Source)   Jan. 2024 - Present
Midas Trading System   *Toronto,ON*
- Developed an open-source event-driven algorithmic trading platform using **Python**, supporting backtesting, walk-forward analysis, and fully automated live trade execution.
- Designed and deployed a **PostgreSQL** database on a self-managed **Linux** server to efficiently store and access over 1 TB of financial time series data, optimized for analytical workloads.
- Implemented a **React**-based trading dashboard to visualize and compare strategy performance, enhancing trader insights and supporting interactive decision-making.
- Engineered an ETL pipeline in **Rust** for the ingestion, processing, and storage of ~10 GB of futures price data per day acquired via a data vendor feed, ensuring seamless data integration.

Investment Operations Associate   July 2022 - May 2023
NEPC, LLC   *Boston, MA*
- Managed onboarding and relationship support for high-net-worth and institutional clients with assets ranging from $40M to $10B, ensuring seamless transition into firm reporting software.
- Monitored portfolio performance across a diverse set of asset classes including Equities, Fixed Income, Mutual Funds, ETFs, and Alternative Investments, supporting data-driven investment insights.
- Developed customized investment performance reports that served as the foundation for recurring monthly and quarterly client deliverables, enhancing transparency and client satisfaction.
- Delivered client account analysis and portfolio status updates in internal review meetings, enabling consultants and advisors to proactively manage client expectations and align communication

PROJECTS

Pakket Protocol Framework | [Technical Article (Medium)](#)
Python, TCP/IP, HTTP
- Developed **TCP** and **UDP** layers using **Python**'s socket module, enabling message transmission and reception
- Built an **HTTP** layer on top of the TCP layer with standardized request and response handling
- Implemented parsing of raw request bytes into structured requests, and serialized responses into bytes for transmission
- Published a technical article detailing the architecture and build process as an educational resources

EDUCATION

Rensselaer Polytechnic Institute   Aug. 2021 - May 2022
Master of Science (MSc), Supply Chain Management   *Troy, NY*
- **3.9/4.0 GPA**
- NCAA Division I Ice Hockey Player | **Assistant Captain**

University of Massachusetts Lowell   Sep. 2017 - May 2021
Bachelor of Business Administration, Finance and Accounting   *Lowell, MA*
- **3.94/4.0 GPA** - Summa Cum Laude
- NCAA Division I Ice Hockey Player | **Assistant Captain**

SKILLS

Programming Languages : Python (Pandas, Numpy), SQL, R, JavaScript, HTML/CSS, Rust, C++
Frameworks: React, Flask, FastAPI, Django, Dash
Developer Tools: Git, Github Actions, PostgreSQL, Docker, VS Code, Linux, Tableau