

# 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