

# Matthew Garabedian

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## WORK EXPERIENCE

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### Sieger Arx

May. 2024 – Present

Full Stack Engineer

Remote

- Designed and implemented a cloud-based, comprehensive inventory management system for a multi-million-dollar charity using Next.js, Node.js, React, and SQL.
- Ensured 100% accountability of all donations for accounting, reporting, and legal compliance as a 501(c)(3).
- Developed end-to-end features, including user authentication, real-time data updates, donation tracking, and detailed reporting.
- Provided both pro bono and paid consulting services for full-stack engineering and software architecture, delivering tailored solutions to meet diverse client needs.

### Russell Capital

Feb 2022 – Apr 2023

Software Engineer

Remote

- Engineered a system to integrate real-time market data into the existing trading platform, utilizing Python, SQL and JavaScript to improve the Russell Fractal System.
- Designed and streamlined SQL databases to efficiently store and retrieve gigabytes of data.
- Conducted thorough data analysis to inform strategic decisions and optimize strategies for future success.
- Leveraged in-depth customer research and utilized usage analytics to inform and enhance future product iterations.

### OTCQuant

Jul. 2019 – May 2022

Founder

Boston, MA

- Identified an unleveraged opportunity within the otc markets exchange and founded OTCQuant to engineer software using Python and SQL to capitalize on it.
- Managed a varying team of up to six collaborators throughout the project's lifecycle, contributing to over \$100,000 in realized profits.
- Leveraged TD Ameritrade's streaming API to examine live Time & Sale data, capturing and warehousing 615,139 noteworthy trades.
- Developed a robust data warehouse to store and analyze exchange data and company filings, facilitating trend forecasting and the creation of more profitable trading strategies.

## Websites

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<https://mattgarabedian.io/>

<https://github.com/mattg87>

<https://www.linkedin.com/in/matt-garabedian/>

## EDUCATION

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Florida Institute of Technology

2023

BS Computer Science

## SKILLS

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- **Languages:** Python, SQL, JavaScript, TypeScript, Java, C++

- **Frameworks/Libraries:** NumPy, Pandas, Polars, Matplotlib, Pydantic, Flask, FastAPI, Selenium, SciKit, PyTorch, PySpark, Node.js, React, Next.js, Express.js, Jest, Spring, Spring Boot, Spring JPA, Spring JDBC, CSS, Tailwind CSS, Flexbox, Bootstrap
- **Database Systems:** MariaDB, MS SQL, PostgreSQL
- **Tools/Technologies:** Docker, Dockerfiles, Kubernetes, Terraform, Amazon Web Services, Microsoft Azure, Google Cloud Compute, Git, Github, GitLab, Visual Studio, Vim, SQL Server Management Studio
- ***Experience With:*** Version Control Systems, Linux Cloud Servers, Asynchronous & Multi-Threaded Development, Unit Testing, Test-Driven Development, Full-Stack Development, Big Data, Data Pipeline Development, Continuous Integration Continuous Delivery, CI/CD, Containerization, Infrastructure as Code, IaC, Microservices