

Christopher A. Rotunno

AI Engineer | +1 727-221-2980 | <https://chrisblogs.dev/> |
chris.rotunno@rootlabs.tech | Nashville, TN USA

PROFESSIONAL SUMMARY

Experienced Data Engineer and Solutions Architect who built capital markets pipelines supporting 12K+ global users and driving \$100K in monthly recurring revenue. Proven leader in full stack development (C#, ASP.NET) and complex ETL optimization across financial datasets (MongoDB, Reuters, S&P). Skilled in containerized infrastructure with Docker Engine to deploy scalable, resilient systems. Now pivoting into **AI engineering**—translating enterprise-grade data expertise into next-gen LLM pipelines that bridge robust infrastructure with cutting-edge AI workflows.

SKILLS

- Architect scalable data pipelines for high-volume ingestion and modeling
- Optimize ETL systems for financial, capital markets, or operational data
- Build secure, resilient SaaS platforms (C#, ASP.NET, Docker, SQL)
- Deliver data products that align with business and executive strategy
- Lead complex deployments across cloud and containerized environments
- Translate raw data into compelling BI dashboards and visual analytics
- Implement ML/AI models and design LLM workflows for enterprise use cases
- Lead cross-functional analytics/product teams and drive initiatives end-to-end

EXPERIENCE

Data Analyst—Global Markets | AE Global Solutions Inc. (DBA Socrates Platform)
(February 2018 – November 2021)

- Built and managed C# programs for data ingestion, enhancing data quality for 12K+ global subscribers.
- Controlled ETL processes in ASP.NET, optimizing the integration of datasets from MongoDB, Reuters, and S&P.
- Managed capital markets data pipelines, enabling \$100K in monthly subscription revenue.

Data Quality Analyst—US Markets | Intrinio Inc. (May 2017 – November 2017)

- Spearheaded the NLP initiative under CFO guidance to accurately classify XBRL tags into financial statement line-items, enhancing data quality by 40%.

- Automated error detection, reducing manual workload by 80%, enhancing financial reporting accuracy across 10-K, 10-Q, 8-K, and 8-Q earnings statements.

Data Analytics Intern—Consumer Lending | Wells Fargo (June 2016 – August 2016)

- Automated underwriting processes with SQL Server and decision trees, reducing application volume and review time per underwriter, cutting labor costs.
- Processed 400K+ monthly credit card applications, coordinating efforts across multiple departments within Consumer Financial Services.

PROJECTS

Root Labs, LLC | <https://rootlabs.tech/> | (May 2022 - Present)

- Designed, deployed, and managed a Linux-based cloud platform using Docker Engine, Docker Swarm, PostgreSQL, and JupyterLab, building a scalable, secure, and production-grade data analytics environment.

Chris Blogs | <https://chrisblogs.dev/> | (July 2017 - Present)

- Built and maintained a static web application showcasing my portfolio and personal tech blog, demonstrating my evolution in web development.

Nashville ML In Python Meetup Group | <https://www.meetup.com/nashville-ml-in-py-meetup-group/> | (Feb 2025 – April 2025)

- Initiated and sustained a successful Python ML community, running hands-on coding sessions to reinforce personal learning and support others in mastering core data science and machine learning workflows.

EDUCATION

Master of Business Administration in Music Business | Middle Tennessee State University

- Developed leadership in strategic business management, finance, marketing, and operations within music production, recording, and live entertainment.

Master of Sciences in Business Analytics (Software and Data Engineering Focus) | University of Colorado Boulder

- Applied descriptive, predictive, and prescriptive analytics to structured and unstructured data for marketing, customer retention, pricing, segmentation, and promotion, leveraging Python, R, Big Query, Tableau, and Spark.