

# Christopher A. Rotunno, MS, MBA

Data Engineer | Analytics Infrastructure | Financial Data Systems

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## SUMMARY

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Data engineer with hands-on experience building financial data pipelines, managing high-availability infrastructure, and leading technical teams from the ground up. A non-linear path across startups and enterprise environments has produced a rare combination: low-level pipeline architecture and high-level business context. Periods between roles reflect necessity and adaptation, not disengagement from the field. Now based in Northeast Florida and focused on contributing to the regional banking and financial services sector.

## EXPERIENCE

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### Founder & Data Engineer

*Root Labs · St. Augustine, FL* | Feb 2023 – Sep 2025

- Architected a custom API ingestion pipeline that reduced third-party financial data costs by 80%, improving cost efficiency and internal data control
- Built and led a team of 4 developers to construct a SQL ORM-based data pipeline in Python; navigated infrastructure constraints through full build cycle until costs exceeded runway
- Organized 10+ technical meetups with 100+ attendees to cultivate local talent pipelines and expand professional network

### Data Analyst

*AE Global Solutions Inc. (DBA Socrates Platform) · St. Petersburg, FL* | Feb 2018 – Nov 2021

- Maintained 99% system uptime across 24/7 data center operations supporting critical financial data infrastructure
- Processed and validated 200GB+ of daily financial data, improving pipeline efficiency by 30% while sustaining 99% accuracy
- Expanded data product offerings by 120% through partnerships with external providers including S&P and Reuters

## SKILLS

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**Core:** SQL, Python, Data Modeling, ETL/Data Pipelines, Financial Data Analysis, Tableau, Data Visualization

**Infrastructure:** AWS, Azure, GCP, Docker, Hadoop, Spark, RESTful APIs

**Analytics:** Scikit-Learn, Supervised/Unsupervised ML, Feature Engineering, Conjoint Analysis

## EDUCATION

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### Master of Science (MS) — Business Analytics

*University of Colorado Boulder · Boulder, CO*

Statistical methods, decision science, predictive/prescriptive analytics, ML/AI, NLP, deep learning, data warehouses, cloud computing, computer networks

### Master of Business Administration (MBA) — Music Business

*Middle Tennessee State University · Murfreesboro, TN*

Foundation in business strategy, contracts, and P&L management — transferable to any industry