

EMRE ERSOLMAZ

Analytics & Data Science

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SUMMARY

Analytics and data science professional with 10+ years of experience across healthcare technology, pharmaceuticals, and investment banking. Skilled in Python, SQL, Tableau, predictive modeling, workflow automation, and business intelligence, including analytics solutions that identified \$70M in revenue opportunities and reduced manual processes by 55%. Background combines technical engineering, analytics consulting, and business strategy, with experience translating complex datasets into actionable insights for technical teams and executive stakeholders.

EXPERIENCE

Medidata Solutions – Technical Engineer | New York, NY | Jan 2020 – May 2025

- Resolved 98% of escalated technical issues for 100+ pharmaceutical clients by analyzing clinical data workflows and preventing recurring failures.
- Trained 100+ pharmaceutical clients on clinical data platforms and workflow best practices, reducing recurring support issues by 25%.
- Analyzed C# and Ruby codebases to identify product defects and configuration issues, reducing engineering investigation and escalation time by 30%.
- Developed more than 50 SQL scripts to automate legacy data fixes and validation workflows, decreasing manual handling by 55% and speeding up client request turnaround.
- Analyzed system logs in Sumo Logic to identify performance bottlenecks and recurring failures, reducing average issue resolution time by 20%.
- Collaborated with product and engineering teams to enhance clinical data validation features, authoring technical specifications that improved alignment and reduced clarification cycles by 15%.

Freeman & Co – Analyst → Senior Analyst → Consulting Associate | New York, NY | Nov 2013 – Apr 2019

- Led a team of three analysts on market sizing, revenue strategy, and diversification initiatives, increasing project delivery efficiency by 20%.
 - Built automated SQL and Tableau dashboards for investment banking analytics, reducing manual reporting by 27% and improving reporting turnaround by 35%.
 - Partnered with senior management to enhance and maintain proprietary algorithms for estimating investment banking fees, increasing forecasting consistency and analytical accuracy by 18%.
 - Led client revenue reconciliation by combining internal revenue data with external market datasets, improving data consistency and reducing reconciliation discrepancies by 30%.
 - Developed a predictive analytics model forecasting healthcare financing activity that identified targets generating \$70M in investment banking fees within 18 months.
 - Identified disconnects between ECM and M&A franchises at a diversified investment bank, uncovering \$40M in untapped annual revenue from missed cross-selling opportunities.
 - Evaluated the cost-benefit of an acquisitive growth strategy for a regional bank, contributing to \$180M in new revenue over three years.
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SKILLS

Programming: SQL, Python, Ruby, C, Pandas, NumPy, Predictive Modeling, Statistical Analysis, Machine Learning

Platforms: Tableau, BigQuery, PostgreSQL, MySQL, Excel, Airflow, Git, LookML, Alteryx, ETL Pipelines

Analytics: Dashboard Development, KPI Development, Forecasting, A/B Testing, Revenue Optimization, Data Visualization

Domains: Healthcare Technology, Pharmaceuticals, FinTech, SaaS, Investment Banking, Analytics Consulting

Tools: Sumo Logic, Refinitiv Eikon, Dealogic, PitchBook, FactSet, Google Colab

EDUCATION

MIT Professional Education — Applied AI and Data Science Program (2026)

Brown University — B.A. Political Science & Economics (2012)

App Academy — Software Engineering Bootcamp (2016)