

# Ben Bubnick

DATA SCIENCE · DATA CURATION · DATA INTEGRATION

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## Summary

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Results-driven Data Scientist with a strong background in software engineering and research, bringing extensive experience in the healthcare industry, AI, and cognitive-led transformation programs. Adept at leading cross-functional teams, optimizing processes, and developing innovative data-driven solutions. Strong communicator and mentor with a proven track record of delivering results on time and within budget.

## Technical Skills

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<b>Data Processing &amp; Analytics</b>	SQL, PostgreSQL, Hive/Impala, Spark, kafka, Kibana, Gradle, Jenkins
<b>Programming Languages</b>	Python, GoLang, Ruby, Pig, Perl, VB.NET, ASP.NET, C#, C++, FORTRAN
<b>Tools &amp; Frameworks</b>	Azure, Hadoop/HDFS, Postman, Pandas, NumPy, Scikit-learn, XGBoost

## Experience

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### Merative

#### DATA SCIENTIST

Cleveland, Ohio

Jul. 2022 - Present

Technical lead on AI and Cognitive-led transformation programs.

- Led HIPAA patient deidentification project from 200+ million individual patients for content analytics
- Created testing framework for ETL & implementation processes on new data platform

### IBM

Jun. 2015 - Jul. 2022

Cleveland, Ohio

Nov. 2021 - Jul. 2022

#### ADVISORY DATA SCIENTIST

Technical lead on Cognitive & AI-led programs using diverse data sources.

- Created machine learning Covid-19 tool that reduced need for hospitalization identification
- Led delivery on tailored analytics and reporting project for client administrative data
- Developed data migration validation analysis on 150+ billion patient records
- Developed surgical smart case card using combined CNN/RNN model

Cleveland, Ohio

#### Promotion SENIOR DATA CURATION ARCHITECT

Dec. 2020 - Nov. 2021

Senior member of Data Onboarding & Governance.

- Developed clinical data integration of 100+ billion structured & semi-structured records
- Developed topic modelling project on nearly 6 million semi-structured provider notes data
- Curated 25 pages of AI workflow documentation and mentored new hires in AI tuning process
- Created AI Surgical Scheduling Optimization tool currently evolving into new offering

Cleveland, Ohio

Nov. 2017 - Dec. 2020

#### DATA CURATION ARCHITECT

Lead member of Data Onboarding & Governance.

- Managed multi-org enterprise integration with over 70 interconnected data sources
- Developed new data validation and review process that reduced total rework by 25%
- Reduced mapping rework by 45% with through new knowledge-driven initiatives

## SOFTWARE DEVELOPER

Technical delivery lead for client integrations.

- Reduced time spent on knowledge transfer by ~80% by reorganizing project documentation
- Eliminated need for a \$30,000 annual contract by developing data curation tool
- Reduced cost-per-hire by \$5,210 by re-developing education program

## DATA SCIENTIST

Technical delivery lead for client integrations.

- Managed team of 12 remote data science contractors for 36 integration projects
- Created over 125 new knowledge base articles, making up 30% of the team's online content
- Developed automated data integration tool to cut out 28% unnecessary development time

## DATA SCIENTIST CONSULTANT

Developed data transformations and provided meaning to the data.

## AmTrust Financial Services

### SOFTWARE ENGINEER

Created multi-tier MVC components and web forms for commercial insurance policy generating software.

## Other Experience

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PPG INDUSTRIES, Cleveland, Ohio, *Apr. 2012 - Jun. 2013*, **Color Scientist**, Developed radiative transfer models, spectroscopic profile analysis, and cross-instrument correlation software.

LORAIN COUNTY COMMUNITY COLLEGE, Elyria, OH, *Aug. 2016 - May. 2019*, **Adjunct Professor**, Taught physics lab course and astronomy lecture series.

MIAMI UNIVERSITY, Hamilton, Ohio, *Aug. 2010 - Jun. 2011*, **Adjunct Professor**, Created and taught introductory physics course; also taught astronomy.

UNIVERSITY OF CINCINNATI, Cincinnati, Ohio, *Sep. 2006 - Sep. 2010*, **Research Assistant**, Gathered data using a 0.8-5.4  $\mu\text{m}$  spectrograph at NASA IRTF.

## Education

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2010 **Master of Science**, Astrophysics  
2004 **Bachelor of Fine Arts**, Printmaking

*University of Cincinnati  
Ohio University*

## Certifications

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2022 **Certification**, Data Science  
2015 **Certification**, Data Science

*IBM  
Johns Hopkins University*

## Awards

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2018 - 2022 **Gold Champion**, For 1,477 classroom hours and earning 43 digital credentials  
2018 **Lab Services Award**, For coordinating internal teams to deliver on time  
2017 **Eminence and Excellence Award**, For developing a new data curation tool  
2012 **Color Lab Automation Award**, For expanding data collection and analysis reports  
2010 **Mary J. Hanna Fellowship**, For STEM students pursuing research-based Masters

*IBM  
IBM  
IBM  
PPG Industries  
UC*