Ben Bubnick

DATA SCIENCE · DATA CURATION · DATA INTEGRATION

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Experience

Merative *Jul. 2022 - Present*
DATA SCIENTIST *Python, Azure, Postman*

Technical lead on the delivery of large & complex AI and Cognitive led transformation programs and works with Merative & Partners to optimize tools and delivery methods.

- 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*
DATA SCIENTIST, DATA CURATION ARCHITECT

Nov. 2021 - Jul. 2022
ADVISORY DATA SCIENTIST *Python, GoLang, Azure, Docker, SQL/PostgreSQL, Tableau*

Technical lead on delivery of Cognitive & AI led programs using diverse data sources, such as electronic health record data, insurance claims data, scheduling and financial data, social determinants of health data, and any other relevant 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

Dec. 2020 - Nov. 2021
Gradle, Python/R, Hadoop/HDFS, Hive/Impala, Spark,
Promotion SENIOR DATA CURATION ARCHITECT *kafka, Docker, K8s, Elasticsearch, Kibana, SQL*

Senior member of Data Onboarding & Governance for integration of healthcare data and enrichment of metadata. Configuration of data models, analytics, reports, and visualizations.

- 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

Nov. 2017 - Dec. 2020
Ruby, Pig, Java, Gradle, Perl, Hadoop/HDFS,
DATA CURATION ARCHITECT *SQL/SSIS/Oracle, NoSQL, Hive/Impala, kafka, Elasticsearch,*
Kibana

Lead member of Data Onboarding & Governance, member of the Watson Foundation for Health Solutions Architecture team.

- 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 which has included the ordering, installation, and configuration of required hardware, including VPN devices to support 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

Nov. 2015 - Sep. 2016
Ruby, Pig, Hadoop/HDFS/CDH, Shell, SQL/mySQL/Oracle,
Jenkins, Java

Data Ingestions, pre-analytic enrichments, analytic augmentation, data governance, and implementation of assigned client integrations.

- Managaed 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

Jun. 2015 - Nov. 2015
Ruby, Pig, Hadoop/HDFS, React, NodeJS, JavaScript, Shell,
SQL, Oracle, Jenkins

Identified clinical, financial, and operational data elements within different health provider systems to develop data transformations and providing meaning to the data.

- Developed cron-based widget to define blackout periods for client data pulls
- Performed troubleshooting on production issues across multiple environments
- Principal integration specialist for 10+ client database warehouses

AmTrust Financial Services
Software Engineer

Mar. 2014 - Jun. 2015
VB.NET, ASP.NET, C#, CSS, Javascript, HTML5, SQL, PL/SQL

Developed web forms for commercial insurance using ISO standards and created multi-tier MVC components, Web APIs, and UIs.

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PPG Industries
Color Scientist

Apr. 2012 - Jun. 2013
VB.NET, C#, SQL, C++, FORTRAN

Developed software and radiative transfer models, spectroscopic profile analysis on color match samples, and cross-instrument correlation software.

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University of Cincinnati
Research Assistant

Sep. 2006 - Sep. 2010
FORTRAN, Dataplot, IRAF, IDL, JMP, LabVIEW, Maple, Mathematica,
MATLAB, PDL, SAS/GRAPH

Gathered data using SpeX, a 0.8–5.4 µm spectrograph, at the NASA Infrared Telescope Facility. Observations in the short-wavelength, crossdispersed mode SXD.

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