



# OLLIE BOIL

## Lead Data Engineer

### CONTACT

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(123) 456-7890 

Waltham, MA 

[LinkedIn](#) 

### EDUCATION

Bachelor of Science  
Computer Science and  
Engineering  
Massachusetts Institute of  
Technology  
2013 - 2017  
Cambridge, MA

### SKILLS

Apache Hadoop  
Snowflake  
Apache NiFi  
Apache Airflow  
Apache HBase  
Apache Mesos  
PostgreSQL  
JSON  
Apache Drill  
SQL

### WORK EXPERIENCE

#### Lead Data Engineer

Raytheon Technologies

2023 - current / Waltham, MA

- Integrated Apache Hadoop with machine learning frameworks, enhancing prediction accuracy by 23% by developing advanced predictive models.
- Engineered Apache NiFi data ingestion pipelines for streaming real-time satellite data, achieving a 56% improvement in data ingestion rates.
- Designed Apache Airflow-based data transformation pipelines for preprocessing satellite imagery data at Raytheon, **speeding up processing speed by 4 days**.
- Employed Apache HBase's multi-version concurrency control (MVCC) to ensure data consistency for real-time aerospace sensor data processing, lowering data conflicts by 34%.

#### Data Engineer

Akamai Technologies

2020 - 2023 / Cambridge, MA

- Incorporated Snowflake's data masking feature to anonymize sensitive customer data in test and development environments, decreasing instances of data breaches by 82%.
- Used SQL window functions to calculate moving averages and trend analysis on web traffic data, achieving a 96% accuracy rate in predicting user engagement metrics.
- Leveraged Apache Mesos's dynamic resource allocation feature to scale data processing clusters based on workload demand, **reducing infrastructure costs by \$32,651**.
- Implemented data deduplication and compression techniques using Apache Parquet, slashing storage costs by \$17,936 for large-scale data sets.

#### Data Analyst

HubSpot

2017 - 2020 / Cambridge, MA

- Led cohort analysis using PostgreSQL to track customer behavior, locating high-value customer segments, resulting in a 22% rise in customer lifetime value.
- Conducted regression analysis on HubSpot's pricing data to optimize pricing strategies, uplifting **13% of the average deal size**.
- Analyzed product usage data stored in JSON format to identify feature adoption trends, resulting in a 17% boost in product usage metrics.
- Formalized Apache Drill to monitor clickstream data, discovering user behavior nuances that drove a 23% upswing in website conversion rates for HubSpot.