CYBAGE
Delivering Value Scientifically

Cybage helped a leading ambulatory care provider improve its data accuracy by using latest data modeling solutions.

ABOUT THE CLIENT

A leading ambulatory EHR provider in USA with over $1B in revenue

Its product portfolio spans EMR/EHR, RCM, PMS, patient access and care coordination, and patient engagement solutions

It has a comprehensive RCM solution suite with a strong network of over 80,000 physicians

BUSINESS NEEDS

MEDICAL REPORT
Health Data

- Acquire a niche RCM analytics platform to augment existing offerings

- Need an array of RCM suite services that covers the needs of the 100+ clientele on the existing platform

- Improve Data Warehouse (DWH) design to enable scaling up and new analytics opportunities

- Improve recurrent data quality and enable reporting of accuracy issues

- Require manual intervention to mitigate the slow and error-prone ETL process

SOLUTIONS

Provided 24x7 support backed by a robust ITIL -based service delivery model

Redesigned DWH using the latest data modeling practices
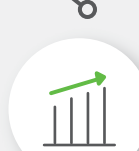
Redesigned ETL infrastructure and governance process

Optimized ETL process with parallel execution, and auto-healing

+ EHR

Automated data quality testing and verification framework

Reformed performance and error management playbook/ SOPs

TECHNOLOGY STACK

Languages and Framework		
Microsoft SQL Server	Microsoft SQL Server SSIS	C#

Cloud Platform Private

Development Tools JIRA | Confluence | sonarqube | PERFORCE | Nagios

BUSINESS IMPACT

The optimization of the ETL process led to a **2x improvement in ETL speed**

Redesigning of the data warehouse brought about **3x improvement in workforce productivity**

Automation of data quality testing **improved data accuracy by 99.9%**

Cybage Healthcare and Life Sciences

Digital Health | Healthcare Interoperability | Revenue Cycle & Administration | Healthcare Data Engineering | Life Sciences

Engineering Digital Excellence. Transforming Healthcare Outcomes.

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