



SPOTLINE

BIG DATA

Big Data is growing in volume, variety, velocity and complexity. We help you predict customer demand and make better decisions with your data, faster than ever before, through the design and implementation of the latest technologies.

THE SPOTLINE DIFFERENCE

Silicon Valley based Spotline is a rapidly growing company established in response to the digital disruption unleashed by the Intelligence Age. From delivering robust applications across multiple platforms such as Cloud, On Premise, and Hybrid to providing Managed Services, Spotline partners with you every step of the way to meet your toughest business objectives.

Data is more ubiquitous than ever, and it has grown exponentially in volume for every organization, from customer records to operations and finance. Do you know where all your Big Data is, and how to compute it for your success?

Spotline provides the fifth angle value in your data. Whatever Big Data challenges you may be facing, we provide you the strategic guidance you need to succeed. As your trusted partner, we will help you bring order and results to your Big Data.

DATA

INFORMATION

INSIGHT

ACTION

REALTIME

OUR BIG DATA IMPLEMENTATION is optimized to provide batch, interactive and real time workloads within the same platform. This provides peak performance and better ROI, while serving the data to existing or new.

KEY BENEFITS OF THE SPOTLINE APPROACH

- Analyze all unstructured and structured data from a seamless interface.
- Find insights in mountains of heterogeneous data and perform best-in-class unstructured information analysis via faceted search.
- Understand the meaning behind numbers and perform sophisticated structured information analysis via drag-and-drop report builder and interactive visualizations.
- Share insights with a broader audience via interactive dashboards and/or customized data analysis portals.

PROCESS

INGEST
Sqoop, Flume

Transform
Map Reduce,
Hive, Pig, Spark

DISCOVER

ANALYTICS/DATABASE
Impala

SEARCH
Solr

MODEL

INGEST
SAS, R, Spark
Mahout

SERVE

NoSQL DATABASE
HBase

STREAMING
Spark Streaming

SECURITY & ADMINISTRATION

YARN, Cloudera Manager, Cloudera Navigator

UNLIMITED STORAGE

HDFS, HBASE



PHASES OF STRATEGY AND DEPLOYMENT

THE MOST IMPORTANT PART OF OUR BIG DATA SERVICES IS OUR APPROACH TO USE DATA OPERATIONALLY, TO ENABLE FASTER DECISION-MAKING VIA INSIGHTS, DRIVE ACTIONS AND THUS EMPOWER NEWER BUSINESS MODELS.



DATA DISCOVERY

Identification of data sources, and the method for ingestion in working with the team that owns the data.



ARCHITECTURE STRATEGY & DESIGN

Ingestion, Transformation, Loading, BI and Machine Learning Models to be generated.



BUSINESS ANALYTICS & INTELLIGENCE

Leveraging data, statistics and analytics software to derive insights and intelligence to measure performance of processes and products, and prepare your organization for future growth and challenges.



DATA MINING & DATA AGGREGATION

Defining the various data sources that need to be gathered and mined to derive insightful information. It will define how this information will be presented in a summarized form for further statistical analysis.



DATA MIGRATION & MAINTENANCE

Identifying the structured and unstructured data that need to be migrated from various enterprise business applications. This phase also considers the business rules, data quality, data governance policies and organizational structure enabling the appropriate processing and continued data access by business users.



BIG DATA OPTIMIZATION

Ensuring relevance and reliability of the data sources gathered before they are mined to derive meaningful insights. Predictive analytics on the raw data sources before robust or stochastic optimization is applied.



BIG DATA INTEGRATION

Bringing all the relevant and reliable data into a Big Data platform in an easy, fast and affordable manner to enable large scale computational processing.



BIG DATA IMPLEMENTATION

Putting together all the pieces of the puzzle using a highly agile and iterative approach keeping in mind the business goals, business rules, data goals, data governance, cleansing, integration, and processing needs of the organization. The result: insights and actions for the enterprise.



CUSTOM HADOOP SOLUTIONS

Leveraging state-of-the-art open source technology for Big Data combined with our knowledge and experience in order to build custom tools to address the challenges associated with large scale data processing needs for any and all use cases.

Spotline consultants are experienced in designing and building modern Big Data frameworks and machine learning models from data. As Big Data tools and architectures continue to evolve, we architect and implement technologies that not only work today, but are future-proof. The framework to the right depicts how various components would fit together during our strategy and implementation.

