ROBERT SMITH

Staff Data Engineer

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SUMMARY

Highly qualified Data Engineer with experience in the industry. Enjoy creative problem solving and getting exposure on multiple projects, and I would excel in the collaborative environment on which your company prides itself.

CORE COMPETENCIES

SQL, Logistics, Lean Manufacturing, Supply Chain, Forecasting,.

PROFESSIONAL EXPERIENCE

Staff Data Engineer
ABC Corporation - August 2012 – February 2015

Key Deliverables:
- Create and maintain reporting infrastructure to facilitate visual representation of manufacturing data for purposes of operations planning and execution.
- Examples include backlog analysis, capacity planning, production machinery status, pacing, quality, work in process (WIP) and other real-time production reports.
- Report Development - Interview customers to define current state and guide them to a destination state.
- Mock-up visuals with Balsamiq or Excel - Locate & vet data sources - Prototype solution and transport into test environment for customer approval and tweaks.
- Finalize and transport into production environment.
- Ruby Development - Created a task scheduling application to run in an EC2 environment on multiple servers.
- For every data source and end point service create a data transformation module that would be executed by the tasking application.

Data Engineer
ABC Corporation - 2009 – 2012

Key Deliverables:
- Consulted financial, manufacturing, transportation and health care clients for business intelligence & analytics, logistics, strategy, inventory, procurement, and infrastructure needs as data analyst in business-analytics team.
- Developed, configured, and monitored Apache Hadoop, HDFS, HBase, SQL databases with Perl based scripts for monitoring, administering, and implementing performance tuning functions, database query on distributed systems.
- Conducted data mining-analytics, optimization, and predictive modeling for infrastructure logistics, marketing, and financial optimization utilizing data mining, machine learning, and optimization for unstructured, semi-structured, structured heterogeneous data sets of gigabyte-terabyte size in Java-Hadoop based distributed computing framework.

- Performed Hadoop-MapReduce based jobs to apply graph theory, dynamic programming, and optimization based predictive models for modeling of heterogeneous, varied structured data sets of client and consumer related data.
- Optimization and machine learning algorithm development conducted in R, MATLAB, Weka, Excel for optimization, regression, classification, clustering, markov chain and monte carlo modeling/simulation of large data sets.
- Performance based reports with statistical, predictive modeling results and rich visualization presented to clients.
- Skills Used Java, Hadoop, MapReduce, HDFS, HBase, Pig, Hive, SQL, Perl, Weka, MATLAB, R, LINUX, Windows.

EDUCATION

- BS in Environmental Health - (Wright State Univ - Dayton, OH)