

Rakesh Reddy

Data Scientist - Ceridian HCM, Inc

Manhattan, NY - Email me on Indeed: indeed.com/r/Rakesh-Reddy/ec6d524e05466308

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

Ceridian HCM, Inc - Minneapolis, MN -

January 2016 to Present

Description: Ceridian HCM, Inc. is a provider of human resources software and services with employees in the USA, Canada, Europe and Mauritius.

Responsibilities:

- Responsible for design and development of advanced R-Python programs to prepare transform and harmonize data sets in preparation for modeling.
- Responsible for performing Machine-learning techniques regression-classification to predict the outcomes.
- Identifying and executing process improvements, hands on in various technologies such as Informatica and Business Objects.
- Developed and maintained data dictionary to create metadata reports for technical and business purpose.
- Involved in business process modeling using Unified Modelling Language.
- Interaction with Business Analyst and other Data Architects to understand Business needs and functionality for various project solutions.
- Handled importing data from various data sources, performed transformations using Hive, Map Reduce, and loaded data into HDFS.
- Involved with Data Analysis primarily Identifying Data Sets, Source Data, Source Meta Data, Data Formats and Data Definitions.
- Created SQL tables with referential integrity and developed queries using SQL, PLSQL and SQL*PLUS.
- Created PL/SQL packages, procedures, functions, Triggers.
- Collaborate the data mapping document from source to target and the data quality assessments for the source data.
- Prepare ETL architect& design document which covers ETL architect, extraction, SSIS design, transformation and loading of Duck Creek data into dimensional model.
- Participated in Business meetings to understand the business needs and requirements.
- Provide technical & requirement guidance to team members for ETL -SSISdesign.
- Design Logical and Physical Data Model using MS Visio 2003 data modeler tool.
- Coordinate & communicate with technical teams for any data requirements
- Design ETL framework & development.
- Participated in Architect solution meetings and guidance in Dimensional Data Modeling design.
- Participated in stake holders meetings to understand the business needs and requirements.

Environment: . Spark MLlib, TensorFlow, Python, K- means, ANN, Regression, Accord.NET, Oryx 2, Flask, , Naive Bayes, SVM, Amazon Machine Learning (AML), ORM, Jinja 2, Apache,Django, Mako.

Data Scientist

Cooper Tire & Rubber Company - Findlay, OH -

January 2015 to December 2015

Description: Cooper Tire & Rubber Company is an American company that specializes in the design, manufacture, marketing and sales of replacement automobile and truck tires, and subsidiaries that specialize in medium truck, motorcycle and racing tires

Responsibilities:

- Document the complete process flow to describe program development, testing, application integration, coding & implementation.
- Data modeling & formulation of statistical equations using advanced statistical forecasting techniques.
- Built predictive scorecards for Life Insurance, TD, Cross-selling Car loan & RD.
- Scoring predictive models as per regulatory requirements & ensuring deliverables with PSI.
- Developing propensity models for Retail liability products to drive proactive campaigns.
- Mentoring Provide guidance to team members.
- Responsible for defining the functional requirement documents for each source to target interface.
- Transformation, Data cleansing & creating new variables using R.
- Approve & Present designed Logical Data Model in Data Model Governance Committee (DMGC)
- Identifying the Customer & account attributes required for MDM implementation from disparate sources & preparing detailed documentation.
- Validated the machine learning classifiers using ROC Curves & Lift Charts.
- Work with users to identify the most appropriate source of record & profile the data required for sales & service.
- Tabulation & Extraction of data from multiple data sources using R, SAS.
- Responsible for defining the key identifiers for each mapping/interface.
- Extracted data from HDFS & prepared data for exploratory analysis using datamunging.
- Arrange & chair Data Workshops with SME's & related stake holders for requirement data catalogue understanding.

Environment: Hadoop, logistic regression, regression, forest, OLAP, HDFS, NLTK, SVM, JSON and XML, Teradata, OLTP, Unix, Python, MLLib and SAS.

Data Analyst

American Financial Group Incorporated - Cincinnati, OH -

May 2013 to December 2014

Description: An American worldwide automotive industry components and parts supplier. It is primarily known for its power train products, which include manual and automatic transmissions and transmission components, such as electro-hydraulic control components, transmission control units, friction materials, and one-way clutches, turbochargers, engine valve timing system components.

Responsibilities:

- Deployed GUI pages by using HTML, JSP, JSTL, DHTML, XHTML, CSS, JavaScript, AJAX
- Implemented the online application by using Core Java, Jdbc, JSP, Servlets & EJB 1.1, Web Services, SOAP, WSDL
- Used SAX & DOM parsers to parse the raw XML documents

- Used Singleton, factory design pattern, DAO Design Patterns based on the application requirements
- Preparing & executing Unit test cases
- Used RAD as Development IDE for web applications.
- Involved in fixing bugs & minor enhancements for the front-end modules.
- Used Log4J logging framework to write Log messages with various levels.
- Doing functional & technical reviews
- Implemented Microsoft Visio & Rational Rose for designing the Use Case Diagrams, Class model, Sequence diagrams & Activity diagrams for SDLC process of the application
- Guaranteeing quality in the deliverables.
- Implemented the project in Linux environment
- Maintenance in the testing team for System testing/Integration/UAT
- Was a part of the complete life cycle of the project from the requirements to the production support
- Conducted Design reviews & Technical reviews with other project stakeholders.
- Created test plan documents for all back-end database modules

Environment: JAVA, R 3.0, Erwin 9.5, Tableau 8.0, MDM, QlikView, MLLib, PL/SQL, HDFS, Teradata 14.1, JSON, MapReduce, PIG, Spark, R Studio, MAHOUT.

Data Scientist

East India Distilleries Parry Limited -

August 2012 to April 2013

Description: East India Distilleries Parry Limited is a public company headquartered in Chennai. Including the manufacturing of fertilizers for the first time in the Indian subcontinent. The company is currently engaged in the manufacture and marketing of sugar and bio-products.

Responsibilities:

- Created Web Pages using XML, XSLT, JSP, HTML and JavaScript.
- Based on business requirement, developed the SQL queries, Stored procedure, Views, Trigger to implementing the business rules and transformations.
- Involved in requirements gathering and preparing software requirement specification.
- Optimized the code and database for maximum performance.
- Responsible for deploying Web Logic application server.
- Design and maintain the database to support the application using Oracle8i.
- Have strong sql coding knowledge.
- Prepared the complete data mapping for all the migrated jobs.
- Data Migration from Flat files, MS-Access, Excel, SQL Database.
- Exposure to the UNIX shell scripting tasks.
- Involved in Query optimization, performance tuning and index creation.
- Prepared Documentation of the system. Writing JUnit Test cases for testing the application
- Created Stored Procedure and Triggers to enforce business rules.

Environment: HTML, CSS, javascript, XML, Java, J2ee, Servlets, JSP, EJB, MVC, SQL Server, SQL Assistant, WIN2000/XP, XSLT, JUnit, MS Access, UML, Windows.

Data Scientist

Cynapse, Mubai - IN -

August 2010 to July 2012

Description: Cynapse is a private web software company that was incorporated in April 2001 in Mumbai, India and later in June 2006 in Delaware, United States. Although Cynapse is mostly a products company, it has also undertaken service projects for large software companies like Microsoft and institutions like INSEAD.

Responsibilities:

- Developed the User Interactive web pages in a professional manner with using web technologies like HTML, XHTML, and CSS as per company's standards.
- Involved in development, design and implementation of front end part widget based application.
- Developed Web forms/user interfaces using Struts MVC, jQuery and JSP.
- Developed presentation-tier JSP pages in HTML, Implemented jQuery Data Grid control, Validation control and other Widget controls.
- Worked on AJAX controls like Update Panel to manage the post back of the web page to server, AJAX Script Manager and Script Manager Proxy controls to register JavaScript and web service files.
- Used Ajax Controls, Web forms, JavaScript and HTML for Commission, Payment and Inventory reports.
- Developed various AJAX controls and widgets to build a rich User Interface for the application.
- Used JavaScript accordingly for validation purpose, browser detection and controls.
- Used Cascading Style Sheets (CSS) to maintain design consistency across all web forms.
- Worked with XPath, XML Node, XML Data documents to synchronize with dataset
- Created Windows services to create automation processing of XML.
- Created Model objects using Entity Data Model with Entity framework using Hibernate.
- Involved in developing jQuery and AJAX wrapper classes for fast retrieval of data and for animations.

Environment: HTML, JavaScript, CSS, jQuery, XML, XPath, AJAX, JSP, MVC, Junit, Window OS.

SKILLS

Linux (1 year), Microsoft Windows (Less than 1 year), UNIX (1 year)

ADDITIONAL INFORMATION

Operating Systems: Microsoft Windows 10/8/7/XP, UNIX and Linux.