Anand Viswanathan

P: (313)655-2520 | E: anandvishwanathan.89@gmail.com | Flourtown, PA
https://github.com/anandviswanathan89

WORK EXPERIENCE:

DataFactZ, *Sr. Big Data Engineer, Feb 2016 – Present*   **Plymouth Meeting, PA**
- Designed and implemented ETL for the patient count prediction based on the drug consumption using impala.
- Designed and implemented re-usable Apache Spark package for data migration from RDBMS to Hive.
- Worked on multiple proof of concepts and benchmarking tools.
- Created a customized Cross-validation machine learning Spark MLib library, to solve a business specific problem.
- Performance tuning the Spark programs and improved the overall performance by 8x, using dataframe API
- Achieved sub-second latency for accessing data by factor of 3, by caching and co-locating the data using Spark.
- Recommended EMR/AWS cluster type on analyzing the type and nature of workload.
- Scheduled applications using Oozie. Implemented automated build and deployment using Jenkins and nexus.
- Implemented data virtualization for small batch loads to abstract the type of data source.
- Implemented application orchestration and events using IBM ESP Cybermation, a mainframe tool.
- Migrated 50 TB of data from RDBMS to Hive in Cloudera ecosystem using Sqoop and Oozie.
- Implemented Spark streaming job from Kafka source and stored in Hive and Cassandra in different intervals of time.

Rapid Global Business Solutions Inc*., Software Engineer, Jan 2015 – Dec 2015*   **Troy, MI**
- Developed full .NET stack web product, involved in requirement analysis, database creation and normalization.
- Moved all the graphs from server side to client site kendo UI graphs, increased the performance of the website.
- Implemented templating using Angular JS to have an expressive and readable interface.

Wayne State University, *Research Assistant, Jan 2014 - Dec 2014*   **Detroit, MI**
Data mining and Knowledge Repository Lab
- Built a web scraper for crowd funding websites for big data research (python, numpy, scikit and selenium).
- Implemented and monitored an application which downloads data from twitter streaming and Google Geo Loc. API.
- Implemented automated selection of best model for given set of data using Weka's Java API.

Cognizant Technology Solutions, *Programmer Analyst, May 2011-Dec 2013*   **Chennai, India**
- Developed a web project using C#, ASP.NET 4.0, Entity Framework (code first) for timesheet application.
- Automated the SQL database backup which reduced data loss and received star of quarter award and 2000 rupees.
- Developed a SSRS report system to show project progress and revenue for Account Managers.
- Created SSIS packages for pulling and pushing flat files with header files to FTP.
- Built a HTML prototype for a timesheet system using HTML5, jQuery and CSS

SKILLS:

Data engineering:	Spark, Sqoop, Hadoop, Kafka, Oozie, ElasticSearch
Programming languages:	Scala, Python, C#, Shell scripting, Java
Databases:	Hive, Impala, Cassandra, Hbase, CouchDB, MongoDB, MySQL, MS SQL, Oracle, Netezza
Other skills:	AWS, SSIS, SSRS, ASP.NET, MVC, IIS, HTML, CSS, JavaScript, jQuery

CERTIFICATIONS:

- Certified developer in Apache Cassandra
- Certified developer in Apache Spark
- Certified Hortonworks Developer
- Machine Learning by Andrew Ng
- Microsoft Certified Developer

EDUCATION:

M.S. in Computer Science   **Detroit, MI**
Wayne State University, Class of 2015

B.Tech. in Information Technology   **Sriperambudur, India**
Sri Venkateswara College of Engineering, Class of 2011