

Arun kumar Jegarkal

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#E314 ,201 Indiana Ave Lubbock, TX-79415

Summary: Developer with 3+ years of extensive experience in Java, Python, Data warehouse and ETL technologies; worked for various clients and projects in every phase of Software Development Life Cycle, from business requirement gathering to project delivery. Excellent design and integration problem solving skills.

Texas Tech University, Master of Science, Computer Science GPA: 3.4/4.0

Lubbock, TX

Graduation: May 2018

Visvesvaraya Technological University, Bachelor's in Computer Science GPA: 3.6/4.0

Bangalore, India

Graduation: June 2014

Projects

- **National Eligibility Database (NEDB Carrier Loads)** – Insurance domain project for the client HMS (Healthcare Management System). We received files on timely bases from Commercial Insurance carriers, third party, Pharmacy Benefit Managers, Government Payers for which we did ETL (Extract Load and Transformation) and performed Data match using proprietary logic in order to Cost Avoidance and Recovery.
- **A High Performance, Scalable Event-Bus System for Distributed Data Synchronization** – Our primary goal is to provide the support for fully transactional communication between the clients and the event bus thereby making the communication more effective. Implemented in Java using Web sockets, multithreading and Avro.
- **Topic Analysis with Twitter** – Research is focused on sentiment analysis, topic modeling and trend analyzing of tweets on daily and hourly bases all over the Texas state and its counties to find co-occurring topics and their stability over the period.
- **Movie Scope** - Visualizing the movies over the years from 1976 to 2016, comparing box office collection with user reviews from IMDB data base. Machine learning algorithms used to calculate the sentiment of the review. Provide user to visualize the trends based on releasing years, genres and movie name.
- **Virtual PC Viewer (Android Application)** - Virtual PC Viewer is a remote-control system which allows the user to view and interact with one computer ("remote desktop machine") to cellular phones ("viewer") using wireless internet connection. A viewer is provided on the cellular phone that enables the user to see and manipulate the desktop of various remote systems such as Windows operating system.
- **Napster Network** - Created a peer to peer style file sharing system with a central indexing server using socket programming in Java.
- **Gnutella Network** - Created a pure distributed file sharing system which allows file sharing without a central server using socket programming along with multithreading in Java.
- **File Converter** – Application Developed in Java using itext API, which converts .pdf to .doc file and vice versa. and added features to merge two .pdf files, extracting image/text from a pdf.

Professional Experience

Graduate Assistant at Athletics Department, Texas Tech University, Lubbock, TX (2016 Dec – present)

- Development and maintenance of Texas tech Athletics Department Website.
- Creating Tableau dashboard to view the trends of expenditure based on different programs.
- Responsible for Creating Group policies to manage the functionalities of files shares and Printers in Organizational Unites.
- Involving in Deployments through DELL KACE and MDT via PXE boot.

Data Warehouse Analyst at EVRY India Pvt Ltd, Bangalore, India for 2.1 years (2014 Aug – 2016 Aug)

- Working experience in Data Warehouse applications, directly responsible for the Extraction Transformation and Loading (ETL) of data from multiple sources into Data warehouse.
- Strong knowledge in Informatica, SQL and Data Warehousing Concepts.
- Extensively worked on Informatica designer for designing and developing mappings from varied transformation logic using Expression, Source Qualifier, Filter, Router, Joiner, Lookup, Sorter, Aggregator and Update Strategy etc.
- Designed ETL logic for Dimension Tables using SCD – Type1 and Type2.
- Worked with heterogeneous data sources like DB2, Flat Files, and Mainframe Files.

Technical Skills

Programming languages	:	Java, Python, C, SQL, PL/SQL, Shell scripting
Web Designing Skills	:	HTML5, HTML, CSS, JavaScript, PHP, XML, JSON,
Database	:	Oracle 9i, SQL Server
Frameworks	:	Spring, Hibernate, Spring Boot (MVC) Eclipse, Net Beans, Informatica PowerCenter Client 9.0.1 and 9.5.1, Informatica Data
Tools & Utilities	:	Explorer (IDE), SQL Developer and Toad, Informatica Cloud, Tableau 10.3, Power Exchange

Honors, Awards and Achievements

- Awarded competitive scholarship: 75% fee waiver by Texas Tech University
- WebMaster at Texas Tech India student Association