

SUNIL KUMAR PETLURI

+91-9739229859 | PVRNSU@gmail.com | <https://www.linkedin.com/in/sunil-kumar-23a7609b>

Professional Summary

Business Intelligence and Big Data Analytics tools professional, *having 7 years and 6 months of experience in Informatica Power Centre, SAP Business Objects Universe Designer and Web Intelligence reporting, SSRS reporting, UNIX shell scripting as well as relational databases like IBM DB2, Sybase, MS-SQL Server. My strongest skills are in building predictive models along with business intelligence solutions comprising data warehouses and data marts.*

- Hands-on experience on building predictive models using R and Python on Big data eco-systems like Apache Spark and Kafka.
- Good understating of statistical concepts like Probability distribution, Hypothesis testing, Regression, Classification, Dimensionality Reduction along with ensemble techniques like Bagging and Boosting.
- Worked extensively in building the forecasting models for predicting the incident volumes, call volumes so that the predictions can be utilised in optimising the work force.
- Conducted exploratory data analysis and hypothesis tests to identify the patterns and draw insights out of it which could help in decision making.
- Involved in all phases of building a custom data solution using Informatica, SSRS, SAP Business Objects and Web-Intelligence reporting that maintains investor, advisor and trade data for the investment wing of the enterprise with assets under management worth around \$100 Billion.
- Extensive experience in programming, system analysis, managing programmers. Assign, assist and check their day-to-day tasks as well as deliverables to make sure high quality deliverables and effective team's participation.
- Collaborate with clients and leading industry vendors like Morning Star, Pershing, Envestnet etc. to keep up consistent delivery and accuracy of the data files.
- Identify opportunities to automate laborious error-prone batch monitoring tasks and carry out them to create capacity for the resources on the team to work on other outstanding issues.
- Act as the release coordinator for the team for every monthly release. This entails identifying the release items, managing the dependencies between them, mitigating implementation risks and leading the weekly release management meetings.
- Experience in developing easy to consume charts and graphs on batch and online application performance.
- Build, support and promote the knowledge repository by publishing documents on several well established as well as obscure processes to help make resource transitions easier and effective.
- Proficient in job scheduling using Autosys.
- Good knowledge of Data Marts, Data warehousing, Operational Data Store (ODS), Data Modelling like Dimensional Data Modelling, Star Schema Modelling, Snow-Flake Modelling, FACT and Dimensions.
- Exposure to IT service management where concepts like Incident management, Problem management, cause mapping mean time to resolve/close are the key performance indicators (KPI's).
- Have extensively used Amazon S3 Bucket for data transfers between DBs.

Skills

- Apache Spark, Kafka, SQL and Streaming.
- Statistical Analysis Packages: Python, R, SPSS and MS-Excel.
- BI Visualization Tools: Tableau, SAP Business Objects XI, Web Intelligence and SSRS.
- ETL Tools: Infomatica 8.0 and 9.0.
- Databases: DB2, Microsoft SQL Server, Sybase, My-SQL and Amazon Redshift.
- Mainframe Technologies: Cobol, CICS, REX and JCL.

Experience

Organization Name	Role Designation	Start Date	End Date
Infosys Limited	Technology Analyst	08-Jun-2009	13-Nov-2015
Numerify Software	Principal Application Dev Engineer	23-Nov-2015	Till date

Project Summary

Numerify Software , Bangalore	<i>Nov 2015 – Till date</i>
<i>Sr.Principal Application Dev Engineer</i>	
<u>IT Service Analytics Applications</u>	
Role: Designer and Application Engineer	
<ul style="list-style-type: none">• Currently working on developing the analytics application for a pre-packaged Information Technology Service Analytics product which is based on the ServiceNow ticketing system.• Individually contributing to the predictive analytics module on the application which include forecasting the incident volumes and call volumes to optimize the work force, so that team can employ more resource during the peak hours.• Built linear regression to predict the mean time to resolve (MTTR), as soon as a ticket is opened. This will help the managers have their finger on the pulse on the IT service and operations in the organization.• Built a recommendation system to suggest an assignment group based on the incident description, which has reduced the resolution time for a lot of incidents.• Design and develop various features on the software product Numerify 360, using the SQLs and an in-house ETL tool.• Conduct source system analysis and build custom Data warehouse by performing dimensional modelling for various modules on the products.• Automate the unit testing cases for various modules using SQLs, Jenkins and UNIX shell scripts.• Worked on improving the performance of the Production ETL cycles for various client using the Distribution and Sort keys on the Amazon Redshift database. Post this the ETL ran in half the time.• Brainstorm with the Product managers to come up with the use cases for building the Data warehouse as a Service models which could help draw valuable insights.	

Client: Northwestern Mutual

Jan 2013– Nov 2015

Technology Analyst (Infosys, India and USA)

Financial Rep (FR) Analytics Reports

Role: Designer and Application Engineer

- FR Analytics Reports comprises of three different reports namely Advisory Health Assessment, Brokerage Health Assessment and Investment Products and Services Profiling reports. These reports offer current and historic view on key performance metrics like Assets Under Management (AUM) in various advisory, brokerage and strategic investments, Client pricing, net cash flows for a FR.
- We transform data from various sources based on business rules and eventually loaded to Fact tables on a data mart. Then we divide the reps into quartile depending on the total assets under management for each rep.
- Stored procedures will fetch results to the SSRS report and are downloadable in excel or PDF file formats by the FR.
- These reports will act as one central tool for 27,000 plus reps in the organization across various network offices in the USA to compare their performance with their peers.
- Provide knowledge transfer and training sessions on various applications in the Investment wing.
- Provide technical leadership related to project discovery, definition, design, development, implementation and general maintenance of the application across environments.
- Managing the workload for twelve developers at offshore, coordinate releases and ensuring the quality of the deliverable.

Irrevocable Life Trust (ILIT)

Role: Lead Developer and Technical Engineer

- This is a private client service product drafted to meet the estate planning needs and give lifetime flexibility to an individual.
- Collect the Information keyed in using a stand-alone UI app, validate the information received from UI and on successful validation load that information to the tables using stored procedures.
- This UI can handle three types of users, ILIT Admins, Home Office users and Business Users. The Admins can update the customer information and home office users along with business customers can only view the information related to their specific accounts.
- We have Informatica ETLs to generate the annual statements, Premium fee notifications, crummy notices etc.
- As per the US regulations there are fiduciary reports like Reg 9, Trust Beneficiary Information, Cash value report etc. that are available on demand from the SSRS.

National Sales Summary Reports

Role: Designer and Developer

- A consolidated product finance report, which is envisioned to report the sales of various insurance products like Life Products, Annuities, and Disability Insurance etc. across the company.
- A new batch application was built to read data from various business streams within the organization at the end of each month, aggregate key metrics on Policies, Cash Values, New policies purchase etc. at District Network Office level and rolling up to the National Level.
- This report helps the Directors in the organisation to make strategic decisions on the company's performance on various products at different geographical locations.

Morning Star Dropped Coverage**Role: Developer**

- The purpose of this project to automate a laborious manual process. Morning Star provides ratings on various stocks available in the Advisory Programs. Morning star sends these ratings for over 1500 equities in an XML file. There are cases where Morning Star drops its rating coverage for some of the equities and the organization marks them as ineligible for the specified programs.
- The process pulls a weekly file from Morning Star file server using the file transfer protocol, this files has the stocks on which coverage was dropped.
- We then validate various fields in the files and make necessary update to the rating information on the tables.

Investment Products Custom Data Solution.

- Combined expertise in developing custom data solution, through ETL processing, to a data warehouse, data modelling, and business intelligence reporting and dashboards.
- Visualized and developed activity monitoring dashboards for analysing the load trends on daily batch cycles for various support teams.
- Created nearly hundreds of real-time monitoring scripts to check the Infrastructure resources like memory, CPU availability, watch and force the redundant locks held against a database, let know the support teams on job failures etc.
- Automated a lot of application, infrastructure and maintenance checkout.
- Designed and developed hundreds Data Visualization reports with SSRS, SAP Web Intelligence reporting.
- Created interactive reusable shell scripts on UNIX to execute Informatica Workflows, Export and Import the Informatica object, compare mappings between different repositories and notify the changes etc.
- Established audit control processes to strategically investigate data based on multiple business rules and alert business partners to take necessary action on the encountered anomalies.
- Periodically reviewing the database objects like indexes, primary keys/candidate keys and taking necessary actions like running DB reorgs, run stats etc. to improve performance.
- Optimized the daily batch extraction and load process by enabling alternate page cleaning, splitting the to various table spaces, increasing the buffer pool size on the data base to cut the read time. This entire activity helped normalizing batch cycles by 60%. Post this various, web apps were available to the field users longer than before.
- Customised the job scheduling based on the file arrival schedule provided by various vendors and business partners.

Certifications

- ✓ LOMA 280 Principles of Insurance
- ✓ LOMA 290 Insurance Company Operations
- ✓ Certified R programmer by John Hopkin's University, Washington and also Data Bricks.
- ✓ Certified in Spark by Data bricks in collaboration with University of California, Berkeley.
- ✓ Completed a certificate program in Statistics for Business from IIM Bangalore.

Education

Course	Completion Year	University/Board	Percentage
Big Data Analytics	March-2017	IIM-Bangalore	
B.Tech-ECM	May-2009	Acharya Nagarjuna University	73.49
Junior College	March-2005	Board of Intermediate Education, AP	90.6
Class 10	March-2003	CBSE, India	86.4

Awards and Acknowledgements

- Soon after I joined Numerify, I have been recognized as the Top performer in the company.
- Have been recognized by Infosys for my work was personally presented an iPhone by Vishal Sikka, CEO of the company in the year 2015.
- For all the work which I have done in my projects, Northwestern Mutual have awarded Global Excellence award in the year 2013.
- I got the most valuable debutant award for my work on the first project in 2011.