# PV GOPAL
**Certified Azure Data Engineer**
(DP-203, DP-900, AZ-900 & Scrum (PSM-I))

**Data Engineering in 6+ years of Experience**
**(Overall 16+ Years of IT Experience)**

**Email:** gopal0306@yahoo.com
**Address:** Hyderabad, India
**Phone:** +91 8374354857
**Sex:** Male | **DOB:** 03.06.1979 | **Nationality:** Indian

**Linked:.**linkedin.com/in/venugopal-pittala
**Github:**github.com/venupittala

## JOB SKILLS

- Highly skilled professional with experience in **Data Engineering**, **Data Architecture, Design & Implementation** in Health Care and Retail Domains
- Veteran in **Azure Data Bricks, Azure Data Factory, Azure Synapse, Azure SQL, Python, Pyspark, Azure DevOps(CI/CD),AWS, GitHub, Jenkins, Maven**
- Propose architectural solutions, Best Practices, Reusable framework, cost saving
- Developed a well optimized **ADF pipeline** which has reduced the execution time by **20%**
- Automated scheduled jobs which reduced **4 hours of manual work per week.**
- Proposed **business workflow improvements** which increased performance by **10%** and provided more **transparency to end users**.
- Expert in working Agile and scrum software environment, managing agile ceremonies from **retrospective**, **sprint planning**, **daily scrum** and **sprint review**.
- **Mentored** newly joined folks, conducted small and individual **trainings**
- Highly Adaptable and flexible in working with different geographical team
- Keen learner, enthusiastically learning **Snowflake**, **Apache Airflow**, **PowerBI**

**Achievement**
- Awarded for optimizing & refactoring the code when came across inefficient logics while Moving the data from source to target, saving more than **50% of data moving time** & **related resources costs**

## TECH.SKILLS

- **ETL & DB :-**Data Modelling, Data Quality, Oracle ,SQL, Control-M, Data warehousing, ETL&ELT process
- **Big data & Cloud Computing:-** Spark, Pyspark ,Azure Synapse , Python, Azure Data Bricks ,Azure Data Factory, AZURE Storage Services(BLOB & ADLS Gen2),Azure SQL, Snowflake,
- **Environment & Software Engineering:-** Jupyter Notebook, Anaconda,SDLC, Agile, Scrum, Azure Devops,Selenium Automation Testing & Manual Testing, Business Intelligence(BI Reporting)

## Experience
*Aug 2022 - Present*

**Senior Professional Data Design Engineer**
**DXC Technology**, Hyderabad, India

- Taking care of all data engineering activities of the organization.
- Maintaining data warehousing, integration of various data sources.
- Created reusable ADF Pipelines for data-driven workflows in cloud for orchestrating and automating data movement and data transformation.
- Created Azure Databricks notebooks to load data from various Source to Azure Data Lake Delta Lake and Azure Synapse.
- Created reusable Pyspark notebooks to transform and load data into Azure Data Bricks
- Created python UDF's for reusability, config based generic Pyspark notebooks and logging mechanism.
- Created widgets in Databricks to process dynamic files and dynamic tables.

**Projects: - Ahold Delhaize** ([www.aholddelhaize.com](www.aholddelhaize.com))

- Ahold brands serve more than 55 million shoppers each week in the United States, Europe and Indonesia. Each brand shares a passion for delivering great **food**, **value**, and **innovations**, and for creating inclusive workplaces that provide rewarding professional opportunities

- Capturing the cost in each step in process of supply chain (Ahold).

- Reducing throw away items from store and saving cost.

**Involvements: -**

- Analyzing solution requirements, performed source system analysis, High level design & implementation.
- Engaged in sprint planning, stories estimation, retro and prepare scrum reports.
- Synchronizing with Business & stakeholders, plan & manage deliverables.
- Data model, ETL pipeline for various data sources.
- Involved in hiring, onboarding, and coaching.
- Leading team, refactoring, code deployments, code reviews & code complexity reduction

**Achievements**

- Avoided transaction failures during database backup process by automating database transaction queuing mechanism
- Contributed reusable components to team & cost saving.
- Created a framework helps to follow best practices on coding and processes.

*May 2017 – Jul 2022*

**Senior Software Engineer (Data Engineer)**
Optum Global Services Pvt. Ltd., Hyderabad, India

- Understood **requirements**, designed dimension and fact tables for data modeling.

- Implemented **PySpark** data bricks notebooks to ingest and transform the data from source(raw) to target(output) container by applying business logics.

- Created external **Deltalake** tables with partitions on target Parquet and Delta file format folders.

- Implemented code reusability technique's by creating separate notebooks for variable initialization and Pyspark function, calling them in each dimension and fact table notebooks execution.

- Implemented logging mechanism in data bricks notebooks to log each performed activity using try and except blocks while running the notebook.
- Debugging data pipelines, investigating issues and fixing failures
- Developing PySpark jobs for the resource intensive Data Bricks jobs.

**Projects: - HSS WebStrat and GGMAP** ([https://webstrat.optum.com/)](https://webstrat.optum.com/))
- Webstrat is web based project ,webstrat is used for grouping & pricing of Inpatient and out Patient claims ,when claims are received through a routing system and interfaced into Webstrat ,then claims grouped & priced once that occurs , then the claims are sent back to the routing system to this claims payment system ,so the claims can be adjudicated and have a check out to the provider for the payment

- Technologies are used , Azure(ADLS Gen2,Azure Datafactory,ADB,Synapse)

AWS(S3,EC2,Glue,Redshift) cloud

**Achievement**
- Suggested and worked on the Value Creation ideas to **optimize** the customer tools resulted more than **$350K** saving every year for the customer
- Star Award – Reduced **more than 60% of failed claims ratio on online platform** in collaboration with PowerBI reporting team, customer service and internal stakeholders which has improved customer experience for refunds and reduce transition time to avoid penalties and health care claim support in critical issues
- POC & design for multiple Azure Cloud Solutions.
- Received on spot award from Optum for extraordinary support to multiple customers across locations in different time zone

- **Senior Software Engineer (BI Reporting)(**May 2015 -2017 April**)**
Optum Global Services Pvt. Ltd., Hyderabad, India

- Developed, implemented, supported, and maintained SSIS package workflows
- Implemented BI solution framework for end-to-end business intelligence projects
- Designing and developing SSIS packages using different transformations like Conditional
- Split, Multicast, Union-All, Merge, Merge Join and Derived Column.
- Different types of Data Loading (Direct, Incremental, SCDType2 etc...)
- Executed Data Migration for History Load of subject areas
- Monitoring day to day data loads of various SSIS Package

*Apr 2007 – Apr 2015* **Senior Quality Engineer (Automation)**
Optum Global Services Pvt. Ltd., Hyderabad, India

- Understood **requirements**, designed & developed Automation in web applications
- Accomplished professional with extensive experience in Selenium, Cucumber and REST API Automation Framework
- Proficient in devising all the artifacts of testing such as Test Scenarios, Test Cases, Defect Reports and Test Summary Report
- Good Experience in Healthcare Domain and worked on Data Warehouse project automations.

**Achievement**
- One of the key architects in enhancing **data driven automation** framework using Selenium, Java, Maven, cucumber, TestNG, Git and Jenkins
- Awarded with Optum Excellency award for 30% to 40% cost savings by automating the Web Strat web application process

## EDUCATION
*Year 2000- 2002*

- **Master of Computer Science (M.Sc.)** | Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MH), India

*Year 1996- 1999*

- **Bachelor of Computer Science (B.Sc.)** | Kakatiya University, Warangal, Telangana, India

## LANGUAGE
- **English – Fluent**, Hindi, Telugu, Tamil

## PERSONAL SKILLS
- Provide updates to top **management** and **co-ordinate** with the team
- Confident, articulate, and **professional speaking abilities** (and experience),
- **Empathic** listener and **persuasive** speaker, **influencing**, leading, and delegating abilities
- Innovative professional, delivered & created multiple processes in team reducing manual work
- **Leadership** - Managed teams of multiple resources
- Playing a dual role of delivery lead as well as an individual contributor