

# Vandana Damodara . Jarvis Consulting

Highly qualified software Engineer with three years of experience in the industry holding Bachelor of Technology degree .I enjoy creative problem solving and getting exposure on multiple projects, I would excel in the collaborative work environment, Highly proficient, Experienced, results-oriented, resourceful, and problem-solving Data engineer with leadership skills. Adapt and met the challenges of a tight release date. I strive to stay current with relevant techniques, technology and other impacting factors

## Skills

**Proficient:** Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

**Competent:** Hive, Spark, Hadoop, C++, Python

**Familiar:** MySQL, Scala, NoSQL, VBA, Unix

## Jarvis Projects

Project source code: [https://github.com/jarviscanada/jarvis\\_data\\_eng\\_VandanaDamodara](https://github.com/jarviscanada/jarvis_data_eng_VandanaDamodara)

**Cluster Monitor** [GitHub]: Developed Cluster Monitoring agent which is used to monitor and collect data of various host machines connected through a network. The data that is collected includes hardware specifications, activity, and performances of machines in the cluster. Data is stored in PostgreSQL Database which is an RDBMS database provisioned with Docker Containers. Bash Scripts are used to initialize the process by creating psql container using Docker. Bash scripts are also used to monitor the host usage and host information data. This system uses crontab to collect real-time data every minute to generate statistics regarding resource utilization. The Monitoring agent sends the data to a database for storage and further analysis.

**Core Java Apps** [GitHub]:

- **JDBC App:** Constructed the JDBC application to perform CRUD operations using DAO and DTO design patterns on a PostgreSQL retail store's database
- **Grep App:** Created the Java Grep Application which is an implementation of the Linux Grep command which search for a string of characters in a given directory and outputs them to another file. The application was created with Java SE 8 Lambda/Stream API's with Apache Maven and deployed using Docker
- The projects were designed, implemented, tested, and deployed with; *Git, Docker, Bash Scripts, CentOS 7, PostgreSQL, Java 8 [Lambda/Stream Functions], Apache Maven, Mockito, DAO Design Pattern, Spring, JDBC API, Twitter Rest API, and Google Cloud Platform*

## Highlighted Projects

**DataBase Design for Retail:** Designed a Database for Retail Customer comprising of number of Entities by Entity Relationship diagram and Implementing the same by creating number of tables having primary keys and foreign keys to recognize the relationship Which had helped to ease the Querying of database .Used IBM DB2 for the same.

## Professional Experiences

**Software Developer, Jarvis (2021-present):** Worked as a Data Engineer in a small Agile/Scrum environment to develop and implement solutions to various problems within the Jarvis team . The projects were implemented using Git/GitHub, Docker, Bash Scripts, CentOS 7, PostgreSQL, Python, Java SE 8, Apache Maven, JDBC API. Contributed to all the stages of software Development cycle through continuous participation in scrum meetings and Agile best practices. Used Linux environment for all the projects.

**System Engineer, Tata Consultancy services (2011-2014):** Worked on various Projects comprising of Database management systems mostly working on MySQL, IBM Db2 using SQL language I had also able to Contribute to the complete lifecycle of software development (SDLC). Developed few Data ingestion projects to Big data .Worked on Hive queries

## Education

**Veer Surendra sai university of Technology (2007-2011),** Bachelor of Technology, Electronics and Telecommunication - Scholarship

## Miscellaneous

- AZ-900: Microsoft Azure Fundamentals
- IBM-Introduction to Data Engineering
- IBM-Introduction to Relational Databases (RDBMS)
- IBM-Databases and SQL for Data science with python