

Jaymin Patel . Jarvis Consulting

Software Engineer turned Data professional - My curiosity and passion for Data led me to pursue a career in Data Engineer. I completed my master's degree in Computer Science from Nirma University. Currently, I am a Data Engineer at Jarvis Consulting Group. At Jarvis, I am developing my skill sets using agile software development practices and working hands-on with applications of new technology such as Docker, Springboot, Java, Maven, REST API, RDBMS, etc. Besides, I am also a team player and an effective communicator, who is always responsible and well-organized. I am a strong problem-solver, quick learner and team player who is excited to face challenges and contribute to the success of a team as a Data Engineer.

Skills

Proficient: Python, Java, RDBMS/SQL, Agile/Scrum, Git

Competent: Django, Rest API, Docker, Linux/Bash, Spring Boot, AWS, Terraform

Familiar: HTML/CSS, MySQL, JavaScript, Google Cloud Platform, Networking

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_JayminPatel

Cluster Monitor [GitHub]: The project present a collection of Bash and SQL scripts to automate the aggregation and persistence of hardware and real time resource usage data from a cluster of Linux server. The script is used by Jarvis Linux Cluster Administration team to manage a Linux cluster running on CentOS 7. The application utilizes a PostgreSQL database server deployed through the docker.

Core Java Apps [GitHub]:

- **Twitter App:** Developed an application that uses the Twitter REST API to post, read and delete tweets. The application uses the OAuth 1.0 authentication method and is designed through the MVC architecture, in which business logic and data handling are categorize into separate interactive layers. Maven is used for managing and maintaining the project, which is deployed through a Docker image. JUnit is used for integration and unit testing.
- **JDBC App:** Developed an application that allows users' manipulating a PostgreSQL database through Java programming. The application is equipped with the ability to perform CRUD (Create, Read, Update, Delete) operations on Customer and Order data. The Data Access Object (DAO) pattern is implemented to manipulate Data Transfer Objects (DTO).
- **Grep App:** Developed an application to facilitate recursive text-searching based on regular expressions. Given a root directory, the application searches through all files and subdirectories for matches to a specific pattern. The application is deployed through a docker image to ensure consistent runtime environments as well as implements core Java file I/O Stream APIs and Lambda functions, managed with Apache Maven.

Highlighted Projects

Visualization of Movie on Streaming Platform [GitHub]: Aggregated data from IMDb and rotten tomatoes and used the tableau to build visualization for recommendation movie to targeted age group.

ChemCorp Case study:: Using ChemCorp customer data to find insights and make recommendations on product investments and divestments.

Professional Experiences

Application Developer, National Bank of Canada (Jan 2022 - June 2022): Experience in Amazon Web Service (AWS) provisioning and good knowledge of AWS service like IAM, Cloud Watch, S3, ElasticLoad-balancers.

- Used AWS Cloud watch as a monitoring tool to check the health status of the virtual instances. Created lambda that read CloudWatch logs and store in S3 bucket using Python also Build S3 bucket and managed policies for S3 bucket and used S3 bucket for storage and backup on AWS.
- Created scripts in Python which integrated with Amazon API to control instance operation.
- Managed and Maintain code repository in Git, improved practices of branching and code merge for custom needs of development team.

Software Developer, Jarvis (2021-present): Work as a Data Engineer in an Agile/Scrum environment to develop and implement solutions to various problems within the Jarvis team. Designed and implemented various software project and service-side application, hands on development experience with Python, Java, SQL, Linux, and deployment using Git and Docker.

Software Developer, L & T Infotech (2017 - 2020): Designed the web application using Python on Django web framework to make it extensible and flexible. Used the model view controller (mvc) framework to build modular and maintainable applications. Designed and developed the UI of the website using HTML,CSS and JavaScript. Created Django class based Rest API for the application. Used JavaScript for validations of all the web pages in the application.

Designed data management system using SQL. Wrote python modules to extract/load asset data from the SQL source database. Performed database operations and queries using SQL.

Education

Nirma University (2015), Master of Technology in Computer Science and Engineering, Computer Engineering

North Gujarat University (2011), Bachelor of Engineering in Computer Engineering, Computer Engineering

Miscellaneous

- Springboard
- DataCamp
- Cricket
- Computer gaming
- Tracking