Nagendra Gautham Gondi

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Summary

- Professional with 5 years of experience in database design, development, implementation, and testing.
- In-depth knowledge of Spark Architecture including Spark Core, Spark SQL, Data Frames, and Datasets.
- Capable of analyzing large structured, semi-structured and unstructured datasets using Big Data Tools.
- Fluid understanding of Object Oriented Concepts with C, Java, and Python.
- Highly qualified in developing T-SQL, PL/SQL procedures, functions, and packages.

Education

Master of Engineering, Computer Science, University of Cincinnati. **GPA:** 3.88
Bachelor of Technology, Electronics & Communication Engineering, JNTU. **GPA:** 3.63

Professional Experience

Python Developer – Student Worker, IT @ University of Cincinnati – Cincinnati, OH 11/2017 - 06/2018

- Implement data migrations for Department of Continuous Medical Education's core application.
- Slashed 90% of manual man hours by expediting the process of identifying duplicate user accounts using Python automation.

Skills: Python, Microsoft SQL Server (T-SQL)

Senior Database Developer, EdgeVerve Systems Limited – Bengaluru, KA 05/2016 - 07/2017

- Design, develop and deploy menus to be compatible with the latest version of product.
- Integral database administration team member assisting all the teams with necessary database activities.

Skills: HTML, CSS, JavaScript, SQL, PL/SQL, Finacle Scripting, Unix Shell Scripting

Senior Database Developer, Infosys Limited – Bengaluru, KA 02/2015 - 05/2016

- Perform an end-to-end structured analysis on the impacts of the requirements on the database design and develop relevant code in PLSQL and Unix.
- Effective estimation in forecasting supply and demand for Apple's iPhone, iMac, and iPad product lines on a quarterly basis, as part of the development team for Apple Inc.

Skills: SQL, PL/SQL, Unix Shell Scripting, Perl Scripting

Database Developer, ZeOmega Infotech Private Limited – Bengaluru, KA 10/2013 - 02/2015

- Identify the core requirement set and develop the relevant code in T-SQL and PLSQL.
- Achieved componentization by breaking the entire product into suitable independent submodules thereby improving the overall product sales.
- Built and developed multiple utility scripts and helped save many man hours which otherwise would have been spent on manual and tedious work reducing the overall work efficiency.

Skills: SQL, Python, PL/SQL, Microsoft SQL Server(T-SQL), Unix Shell Scripting, PowerShell, SVN, Git

Areas of Expertise

Hadoop Ecosystem : Spark, MapReduce, HDFS, Hive, HBase, Kafka, Sqoop, Flume, Oozie
Programming Languages : C, C++, Java, R Programming, Scala
Scripting Languages : Python, BASH, Unix Shell Scripting, Perl Scripting
Databases : Microsoft(Transact-SQL), Oracle(PL/SQL), MySQL
Deployment Tools : Docker, Kubernetes
Web Technologies : HTML, CSS, JavaScript, Bootstrap
Version Tools : Git, SVN
IDE Tools : IntelliJ IDEA, PyCharm, SQL Developer, SSMS, R Studio, Hue
Cloud/AWS : Amazon EC2, S3, RDS
Domains : Healthcare, Finance, Retail, Banking
Courses : Cloud Computing, Machine Learning, Intelligent Data Analysis, Database Theory, Operating Systems, Advanced Algorithms

Certification : Certified as SAFe® 4 Practitioner - Issued by Scaled Agile, Inc.
GitHub : https://github.com/gautham-gn

Relevant Projects

Project - Implementation of Restful Web Services
Technologies Used: HTML, CSS, JavaScript, ChartJS, BootStrap, Python, Flask, WSGI, AJAX, AWS
Description
This project develops Restful WebService to host weather information. It adds REST API endpoints to the application, to accept the input data as input parameters to perform either a GET, POST or DELETE operation and will return JSON result in a plain text to the user. This project also implements UI with a dynamic approach that uses Asynchronous JavaScript requests to send the user input to the REST API, receive the structured results, and then publish them into the page without refreshing the whole page again.
URL: http://18.188.85.230
GitHub: https://github.com/gautham-gn/restful-web-services,
https://github.com/gautham-gn/interface-weather-information

Project - Containerizing a Python Flask application into Docker
Technologies Used: Docker
Description
Docker provides a stand-alone Linux environment where the libraries can be installed and applications can be run within an isolated environment. This project migrates the WebService into a docker container instance, that acts as a more portable and modular framework for hosting services.
Docker Image: https://hub.docker.com/r/gauthamgn/weather/
GitHub: https://github.com/gautham-gn/docker-wsgi-apache-flask

Project - Hadoop Streaming for Dataset Analysis using Python
Technologies Used: Python, Hadoop HDFS, MapReduce
Description
This project builds mapper and reducer scripts using the Hadoop Streaming API that analyse the data and yield summary counts for each vehicle that describes the total count, per vehicle type that was involved in an accident.
Dataset: https://data.cityofnewyork.us/Public-Safety/NYPD-Motor-Vehicle-Collisions/h9gi-nx95
GitHub: https://github.com/gautham-gn/hadoop-streaming-python

Project - Big Data analysis using Apache Spark
Technologies: Python, PySpark, SQL, Spark SQL, Dataframes
Description
This project performs Data Analysis and processing using Apache Spark for various datasets. It yields various insights using different datasets and uses the insights to solve various business problems.
Dataset: TV Viewership - http://recsys.deib.polimi.it/?page_id=76
Insights:

- Timeframe with the maximum number of users watching television.
- Best slot in a week to host a new show.
- Best channel for a particular time in a day.
- Best genre and sub-genres.

GitHub: https://github.com/gautham-gn/spark_tv_viewership_analysis
Dataset: US Weather Information - https://www1.ncdc.noaa.gov/pub/data/ghcn/daily/by_year/
Insights:

- Average TMIN, TMAX for each year excluding abnormalities or missing data
- Maximum TMAX, Minimum TMIN for each year excluding abnormalities or missing data
- 5 hottest, 5 coldest weather stations for each year excluding abnormalities or missing data
- Hottest and coldest day and corresponding weather stations in the entire dataset

GitHub: https://github.com/gautham-gn/apache-spark-bigdata-analysis
Dataset: USA SSN Applicants - https://www.ssa.gov/OACT/babynames/limits.html
Insights:

- Male, Female and Total Population of every state for the last five years.
- Most Common Names, Most Common Female Names and Most Common Male Names in every state.
- Male, Female and Total Population of the entire country for the last five years.

GitHub: https://github.com/gautham-gn/usa-names-spark-analysis