

Mark Pasricha

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Github: <https://github.com/mpasricha1>

Summary:

Currently employed as a Systems Administrator/Programmer with ambitions to move on from Systems Administration to a full-time data role. Experienced with many different technologies, from working with databases and SQL and Python programming for automation. Looking to expand on the current skills and work with Big Data in the near future.

Technical Skills:

Languages: SQL, Python, HTML, CSS, Visual Basics, Java, JavaScript, Powershell, Ruby

Data Manipulation and Visualization: Pandas, Matplotlib, SQLAlchemy, Flask, BeautifulSoup

Database: MSSQL, PostgreSQL, MongoDB, MySQL

Operating Systems: Windows 10, Linux/Unix, Mac OS X, iOS, Android, SQL Server
2009/2012/2014/2016, Windows Server 2003/2008/2012

Software and Tools: Git, VMware Vsphere, Citrix, Microsoft Active Directory, Group Policy, Microsoft Server Management Studio, ODBC, Microsoft Office Suite, VOIP and PBX phone systems, Sonicwall Firewalls, gSuite, Zendesk, Zebra Printers, Aerohive, Microsoft Azure

Other Skills: Basic networking, routing and switching, TCP/IP, DNS, DHCP, Firewall basics. Proficient in reformatting computers and installing Operating Systems along with basic computer maintenance on Windows, Linux systems and Microsoft Office.

Projects:

Petfinder Machine Learning App <https://github.com/mpasricha1/Petfinder-Project>

- Developed a deep learning Neural Network to determine pet's adoptability
- Originally used a Kaggle dataset to train neural network.
- Used Petfinder API to pull in new data to continually train the neural network
- Built a front-end UI for users to input new pets or pull their pet from Petfinder
- Pet is given a prediction of how long it will take for the pet to be adopted

Happiness Report App <https://github.com/mpasricha1/Project-2-Happiness>

- Analysis on the Annually Happiness Report

- Developed front and backend of web app
- Created an algorithm to tell which country one would be happiest in
- App built with Python, JavaScript, and Postgres

Job History:

SPHERE Technology Solutions

Implementation Engineer

Jan 2021 To Present

- Just started more detail to come

Summit Appliance, Bronx, NY

System Administrator/Programmer

Feb 2015 to Jan 2021

- Generating unique sales reports through custom written T-SQL queries and Microsoft Server Management Studio.
- Working with Restful API's to perform ETL processes in an ERP system.
- Maintain an in-house EDI system for automating order entry into ERP System.
- Performing Database updates. Mass importing new data or updating current data.
- Administrating email domain: adding and removing users, performing password resets, monitoring email traffic, and delegating utility email accounts.
- Monitoring several databases for performance issues. Performing backup and restores
- Monitoring network traffic, working with virtualized and physical servers. Assessing server crashes, rebooting physical and virtual servers. Scheduling tasks to automate routine maintenance through custom written scripts.
- Managing Accounting ERP software, managing users' permissions, creating new and unique sales reports written in SQL and creating new custom addons add-ons in Visual Basics.
- Working with vendors on the procurement of new software and hardware for the department and the office.

IT Support

July 2013-Feb 2015

- Administrating users through Microsoft Active Directory. Creating new users, managing user's accounts including assigning permissions, resetting user passwords and other day-to-day maintenance. Managing Group Policy on a medium sized domain.
- Performing day-to-day IT support, including: issues with networked printers, handling over the phone IT issues, dealing with system crashes, installing and updating new and existing software.
- Installing and reformatting new and existing systems. Setting up computer systems for new employees along with replacing older systems. Backing up user profiles and restoring files.
- Managing office, large scale and production printers: basic care and maintenance, toner replacement, clearing jams and networking new printers.
- Basic routing and switching, replacing older switches, networking computers and printers and wiring patch panels.

Education:

Rutgers, The State University of New Jersey, New Brunswick, NJ - January 2013

B.A. Information Technology and Informatics

Rutgers, The State University of New Jersey, New Brunswick, NJ – October 2020

Rutgers Data Bootcamp

A 24-week long data science bootcamp