**Brian Tobin**

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Summary

Data Analysis, Analytics, and Machine Learning is my heart and soul. This motivates me in helping transform the business by assessing organizational needs, being engaged, and looking for potential opportunities to create business insights.

Skills

Code: C++, C#, Python, R

Database: MSSQL, PostgreSQL, Teradata, Spark/Hive

Mock-ups, Reports, and Presentations: Excel, PowerPoint, Tableau.

Tools: Jupyter Notebook, Spyder, RStudio, MSSQL, pgAdmin, Spark/Hive, Visual Studio

Experience

Engineer III – Data Engineer April 2021 – Present

* Full-Stack Development on a BI solution using .NET, C#, MSSQL, and Visual Studio.
* Created Dashboards, Reports, and Presentations in Excel and Tableau.
* Created mock-ups or data test validations using Excel, and Python.
* Researched missing or mismatched values or other variances in data using Excel and SQL.
* Performed EDA to discover trends, patterns, visualize and to validate patterns in the data.
* Technologies used: ASP .NET, C#, Python, MSSQL, PostgreSQL, Tableau, Visual Studio

Consultant-Business Intelligence April 2018 – April 2021

* Contributed to an analysis report outlining potential savings from expenses vs avoidance.
* Developed a weather and power dashboard showing customer impact during storms.
* Developed a Time Series IP anomaly detection solution to investigate DOS attacks.
* Performed EDA to discover trends, patterns, visualize and to validate patterns in the data.
* Analyzed datasets using PCA, VIF for data reduction for data and model accuracy.
* Technologies used: R(RStudio), Python, Spark/Hive, Splunk, Tableau

Engr IV Spec-Core Data August 2017 - August 2018

* Strengthened relationships and helped with negotiations while keeping within budget.
* Designed hardware, cabling, and power layout for server systems.
* Engineered a process to reduce installation time from 8 hours to 3 hours.
* Installed and configured VMWare on Cisco UCS and Openstack on HP C7K Servers.
* Engineered, installed, and configured RHEL (RedHat) Satellites and Capsules.
* Scripted Ansible for automation of SolidFire HDD Volumes.

MTS III - SunOs Unix / Linux Engineer July 2015 - August 2017

* Linux/ Unix engineer supporting systems in a Data Center Environment
* Created, Maintained, and Improved new and existing Shell/Bash, Perl, Python scripts.
* Created analysis reports for anomalies and insights to management and executives.
* Created prediction models for SPAM and Malicious emails using Splunk.

Firewall Engineer September 2013 - July 2015

* Research and Analysis of network impact for implementation of changes on Firewalls
* Managed and Organized projects in a multi-department/vendor environment
* Test and Turn-up of IPSec/VPN connections for Vendors and Customers
* Research and reporting of various security related network outages.

Systems – Technician – DSO Implementation May 2011 - July 2015

* Analysis, Researching, and Reporting of various network changes and traffic flows.
* Managed Projects in a multi-department/ multi-region/ multi-vendor environment.
* Performed Configuration changes, IOS upgrades, and Tier-3 troubleshooting.
* Host for weekly multi-region calls between Management, Engineering, and Regional Staff.

Systems – Technician - DSO Maintenance February 2009 - May 2011

* Administration Cisco Routers and Switches and load balancers
* Administration of firewalls like Checkpoint Firewall, F5, Fortinet, and SRX Firewall
* Created MOPs, outlining steps necessary to make network changes and associated risks.
* Analysis and reporting of network traffic using tools like Wireshark.
* Developed an information website using HTML and JAVA.

NOC Technician August 2008 - February 2009

* Documented network issues and outages using a trouble ticket system.
* Built analysis reports for tickets and outages to management for process improvements.
* Supported field agent calls for alarms and monthly antenna sweeps.
* Remote testing of telecom circuits of all types.

Education

*University of North Texas* Bachelor of Applied Arts and Sciences · (2016 - 2019)

*North Central Texas College* Associate degree, Associate of Arts · (2016)

Patents

20170180033 – 6/22/2017 - CELLULAR NETWORK COVERAGE USING A SET OF MOBILE DEVICES

Mentorship

2019 Black and Red Robotics Camp, Coppell West Middle School – Robotics Specialist working with Autonomous Boe-Bots and PBASIC Stamp