

# Stan Ferguson

## DATA SCIENTIST

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GITHUB <https://github.com/racecarfastlane>

### PROFESSIONAL EXPERIENCE

#### **Data Scientist Apprenticeship** **Nashville Software School** **Nashville/TN**

2020-2021

- Import and clean multiple dataset types
- Manipulate and normalize datasets within R, Python, and SQL environments
- Analyze and answer pertinent data questions using datasets and statistical calculations
- Create visualizations and presentations to communicate data findings.

#### **Integration Specialist** **Relatient - A leading provider of integrated messaging solutions for practices, hospitals and health care systems.** **Cookeville/Franklin, TN**

2020-Current

- Perform initial data integration with new customers and maintain data extraction and transformation processes
- Perform data integration through the ETL process End-to-end processing and testing of data files from clients, including reviewing file specifications and loading data into system
- Ensure internal/external service levels - escalations included - are met in a timely, high-quality manner
- Maintain accurate tracking log of active and unresolved issues for clients
- Proactively identify, recognize, and act on opportunities for improvement in order to advance business goals.

#### **Integration Engineer** **PlayMaker - Cloud-based customer relationship management solution designed specifically for post-acute care providers** **Franklin, TN**

2018-2020

- Design, develop, test, document and deploy healthcare and EMR integration solutions within a 12-week onboarding timeline to help clients track sales and increase revenue
- Consult with business analysts, subject matter experts and other team members to determine data extraction and transformation requirements for 25 different EMR databases based on client goals, data structures, and data quality
- Work closely with client IT executives and project stakeholders to clearly communicate complex integration methodologies and best practices

#### **Interface Engineer**

**Net Health (formerly ReDoc) - Specialized EHR software and services that serve the continuum of care from hospital to home.**

**Brentwood, TN**

2016-2018

- Install, develop, and configure secure healthcare HL7 interfaces based on customer's workflow and configuration capabilities, including ADT, DFT, ORM, ORU, SIU, FTP, and cold feed interfaces
- Install software solutions and work with client IT resources to deploy projects successfully

### PROFILE

Finding the secrets of the universe hidden in data is my specialty. With seven years of working within a variety of SQL environments and specialized training from Nashville Software School using R Studio and Python, I am confident that I can answer any business question you need answered.

### PROJECTS

#### **Midcourse Project** **01/2021**

[https://github.com/racecarfastlane/red\\_shift\\_tn](https://github.com/racecarfastlane/red_shift_tn)

An exploration of demographic and presidential voting data as TN shifted into red state status from 2000 - 2016.

### SKILLS

- Python Pandas / NumPy
- R Tidyverse / Shiny
- T-SQL / PostgreSQL / MySQL
- Javascript
- MongoDB
- Windows / OSX / Linux