

GIRIJA JOSHI

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SUMMARY

Highly motivated automation/data engineer with passion of making data to tell story. Always ready to take up challenges and can work independently or collaborating with teams to collect information and breakdown so it can be used across all teams to produce good product.

TECHNICAL SKILLS

Tools: Git, Flask, AWS, Tableau, Jupyter Notebook, SoapUI, Jira, Testrail, Teamcity, Jenkins

Databases: Postgress, MongoDB

Languages: Python, R, C#, JavaScript, SQL

Wireless: LTE, CDMA, 1xEVDO, Bluetooth, WiFi

OS: Linux, Windows, Android, Ubuntu

Web: SOAP, Rest, HTML, JSON, Selenium

PROJECTS

Mission to Mars | <https://github.com/GirijaJoshi/Mission-to-Mars>

- This project was involved getting information from NASA website related to Mars latest mission and finding and displaying on internal website. This involved data scraping, data analyzing and data displaying on website.
- Python, JavaScript, CSS, HTML, Flask and MongoDB

Surf Up | https://github.com/GirijaJoshi/surfs_up

- This project was giving VCs investment input for future investments. This involved getting data from different available sources, analyzing data, performing calculations and plotting interpretation as a graph for viewing.
- Python, pandas, matplotlib, and Json

Movies ETL | <https://github.com/GirijaJoshi/Movies-ETL>

- Movies ETL here I had to use Postgres to store the final report. Had to parse huge data from Kaggle, clean the different data and merge the data. This project required to create ETL
- Python, Postgres (SQL)

Breast Cancer Image Classification

- This project involves taking mammogram images (malignant and benign), create a deep learning model, train a model and perform predictions and deploy it on AWS
- Python, Postgres (SQL), AWS, JavaScript, Tableau, HTML

EXPERIENCE

Lead Automation SW Engineer

2017 – Current

Tascent Biometrics

Los Gatos, CA

Tascent is a biometrics company and I was hired to build automation and provide analysis on product performance. I am responsible to make sure we have good and reliable automation which involve framework design and implementation, inter team collaboration. I developed automation which evaluates our products functionalities and performs performance analysis and store the data (ELT). Using python, PostgreSQL, Soap and Rest.

I am responsible for web based application automation using Python – Selenium for functionality reliability analysis. Android app automation for functional and performance testing and analysis using Android studio and Appium.

Tools/Languages: SoapUI, Python, Selenium, Android Studio, PostgreSQL, Appium, Git, Rest, C#, Ubuntu

Key Accomplishments:

- Built end to end automation and analysis as part of release cycle.

- Customer support/satisfaction

Sr Automation SW Engineer

2017 – 2016

Qualcomm

San Diego, CA

I was part of in Qualcomm's small cells division which involved framework automation using Linux server with Python/Perl as middleware and database as storage. Developed automation to send AT commands, access databases, gather and display results on a web page for small cell base station and User Equipment functionality testing.

Responsible to build and lead a team to put this end-to-end automation framework together for multiple UEs.

Tools/Languages: Python, Perl, SQL, LTE, Bluetooth, WiFi, CDMA, HTML, Linux, Android

Key Accomplishments:

- Worked as single point of contact between San Diego, New Jersey and India team.
- Provided and technical guidance to optimize test time.

Sr SW Engineer in Test

2003 – 2014

SGS North America Inc

San Diego, CA

SGS is mobile/IOT device Certification Company. Responsible for test automation software development for mobile devices. Supported various wireless standards including CDMA2000, WCDMA, Bluetooth and LTE functional testing. Worked with different base station manufactures to develop their automation stack to increase the testing coverage. This involved controlling devices, working of different platforms by using Python and C#.

Tools/Languages: Python, C#, SQL, LTE, Bluetooth, WiFi, CDMA, HTML, Linux, Android

Key Accomplishments:

- Expanded SGS's automation test coverage

EDUCATION

Bootcamp Certificate: UC Berkley, CA

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning

MS Computer Science: San Diego State University, San Diego, CA

BS Computer Science: India