RENADH CHOWDHURY

Software Engineer of 3 years seeking a role in Full Stack Dev/Data Engineering.

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EXPERIENCE

Software Engineer, Automation
Red Ventures

📅 March 2019 – Aug 2019   📍 Austin, TX

- Lead the development of automation test framework for TPG US website that brings in **10 million monthly unique visitors**, generating over **$50 million in profits** in 2019-20. *Stack:* **JavaScript, Cypress and Selenium Webdriver.**
- Write and set up automated scripts in **JavaScript** on **New Relic Synthetics** to monitor user flows, critical business transactions and API endpoints across multiple websites with **Slack alert notification services** for stakeholders, reducing latency by **10%**.
- Perform **Visual Regression on Applitools Eyes**; run web crawler on **Screaming Frog** to audit and improve onsite **SEO**.
- Automate event tracking validation using **Google Analytics, JavaScript, Cypress** and in-house tracking tool.
- Collaborate and communicate directly with other engineers, Directors, PMO & Marketing teams to outline and translate business requirements into software solutions and establish a workflow following an **Agile SDLC model**.

Software Engineer
Affinity Solutions Inc.

📅 Aug 2017 – March 2019   📍 New York, NY

- Plan, design, develop a modular and robust full stack automation test suite reducing bugs reported by client by **15%**. *Stack:* **Python, Selenium WebDriver, XPath, PyTest, requests, HTML, cron**.
- Spearhead validation effort for multiple web app redesign projects in a Loyalty Program platform for prominent FI and card provider programs that generates over **$2 million in annual revenue** and scale to 10 million cardholders.
- Develop a **Python script** that enabled PMO, QA & BA teams to increase validation and reporting speed by **80%**.
- Collaborate and communicate directly with other engineers, Data, UI/UX, QA, PMO & Client Relations teams following an **Agile SDLC model**. Mentor and assist software engineering interns.

Junior Software Engineer
HSBC

📅 Feb 2017 – Aug 2017   📍 Brooklyn, NY

- Provide user requirements analysis and programming support for enhancement of an online banking web application utilizing **Java.**
- Build a unit test infrastructure for a client application using **Java and Selenium**.

PROJECTS

www.thebloglog.site

- Developed a **full-stack CRUD web app** for blogging. *Stack*: **Python, Flask, JavaScript, HTML, CSS and Bootstrap.**
- **Features**: user registration & authentication, user ability to CREATE, READ, UPDATE, DELETE posts, update profile picture, username, email and password, user profile page.
- Designed and implemented **SQL Database** for users, posts and image files using **SQLAlchemy**.
- Deployed to **Linode Server** with **Nginx** using **Gunicorn**.

Bank Loan Data Analysis & Visualization

- Read, structure, manipulate and compute *45,211* bank account data using **Pandas' DataFrame & Series** with marital status, education, job, account balance as key variables.
- Utilize **Matplotlib's PyPlot** to create histograms, bar charts, scatterplots to visualize aggregate results.

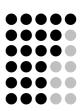**FIFA 20 FUTBIN Price Tracker Bot**

- Tracks player price fluctuation on FUTBIN, screenshots, attaches image, price data to an email sent to user. Utilized **Selenium, smtplib, MIMEMultipart, MIMEImage, MIMEText**.

Guess The Author Web Scraper

- Parses, scrapes, structures **100** quotes and author info from a **10** paged website supplemented with a game logic. Utilized **Python, BeautifulSoup and requests.**

SKILLS

Skill	Level
Python, Selenium WebDriver	●●●●●
Flask, Git, JIRA, SQL	●●●●○
BeautifulSoup, requests	●●●●○
NumPy, Pandas, Matplotlib	●●●●○
Java, JavaScript, Jenkins	●●●○○
CSS3, Bootstrap, HTML5	●●●○○

EDUCATION

B.S. in Computer Science
Western Governor's University, UT

📅 May 2020 – Present

Data Analysis & Visualization, Python
NYC Data Science Academy, NY

📅 October 2019 – December 2019