LiyanaArachchige Sachin Senal

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ASPIRING PYTHON BACKEND DEVELOPER

I'm a passionate open-source backend developer, obsessed with cloud computing. In short, I attended university but ended up resigning, as it proved utterly worthless for me. I've taken numerous online classes and obtained **ICCA** cloud **certification** from **ine.com** . Additionally, I've learned a lot from open source and have been self-learning for a significant amount of time 📖. I created **FIXARR** because I couldn't find any free Movie & TV renamer when I searched for one. Most available options were paid, and some open-source tools weren't functioning properly. Hence, I felt compelled to create a free and open-source solution.

WORK EXPERIENCE

Tidal Reverse Proxy / API Gateway & TUI   **Nov.2023 – Present**

Backend Developer

- Designed and deployed **Tidal.com** reverse proxy & TUI and purely python implementation of load balancer as well as implementing the least connection algorithm in a better way and integrated a redis cache layer for enhanced system performance of *TIDAL REVERSE PROXY*.

Reverse Engineered ChatGPT   **May.2023 – Present**

Backend Developer

- Led the development of a cutting-edge Chat-GPT (Reverse Engineered API) bot using python & flask and specifically designed for Telegram and deployed into azure functions. Integrated diverse cookies to efficiently manage and cater to user requests. Pioneered the implementation of advanced multithreading techniques & async, significantly optimizing request processing. Achieved remarkable reductions in response times and bolstered scalability for the **MULTI-GPT**.

Fixarr   **July. 2023 – Present**

Backend Developer

- Architected and developed **FIXARR**, an open-source media file renaming tool utilizing python and custom-tkinter framework alongside TMDB API integration. Engineered for seamless renaming and organization of movie and TV show files. Implemented robust algorithms for parsing and matching media information from TMDB API to enhance metadata accuracy.

Stripe Reverse Checkout Session.   **July.2023**

Backend Developer

- **Stripe.com** (May 5, 2023): They use the XOR algorithm to obscure the client-side key (pk-key) in the checkout URL. They also encode it, and if you want to automate something by just using a URL, you can't directly do that. I know this automatically decrypts in the browser, and you can also just grab it via Selenium or any other automation library, but it's very slow. So that's why I spent my time trying to find out this, so I just tried to brute force the correct digit (0 to 1000) because you want to find the key; otherwise, you can't do anything about that. We want to use the **bitwise operator**, so my code was very simple, and I found the correct digit, it's number 5. It was a very simple key. And, I just want to have some understanding about this, so everything is possible **STRIPE-REVERSE-CHECKOUT** .

EDUCATION

Major Computer Science | Degree BCS (Hons) | SqaLevel 7

Open Source Society University

Java Institute for Advanced Technology   **2019-2022**