

Asfan Ulla

Full-Stack Software Developer

Bengaluru, India

unluckystreet60@gmail.com

<https://asfanulla.dev>

<https://github.com/AsfanUlla>

Profile

A seasoned Full Stack Developer with a strong focus on backend development, bringing a diverse technical skill set, including proficiency in Python, JavaScript, TypeScript, NodeJS. Experienced in leveraging frameworks and technologies such as React/NextJs, Svelte/SvelteKit, Litestar, Flask, FastApi, Selenium etc-. Adept at working in various operating environments like Linux and cloud platforms such as AWS, CloudFlare, Linode etc-. Committed to creating robust and user-friendly applications, I am always eager to learn new technologies and take on challenging tasks.

Education

Dayananda Sagar University - Bengaluru

B-Tech in Computer Science and Engineering

Skills

Languages/DB's : Python, JavaScript, TypeScript, NodeJs, HTML/CSS, JQuery, PHP, Bash/Shell scripting, MongoDB, MySQL, PostgreSQL

FrameWorks : ExpressJS, NestJS, Svelte, React, NextJs, Flask, FastAPI, LiteStar

Other Technologies : Selenium, AWS, Linode, Cloudflare, Redis, RabbitMQ, Celery, Linux, Scrapy etc-

Experience

Freelance Developer

Multiple Clients/Companies, Remote - March 2022 - Present

- Engaged in partnerships with various clients across distributed teams to refine existing solutions and create innovative new products.

Technologies Used: Python, Flask, FastAPI, NodeJS, Svelte, NestJS, Sql, PostgreSQL, DynamoDB, AWS, Cloudflare, Git, Linux, etc.

Software Engineer

[Prost Technologies](#), Bengaluru - February 2021 - January 2022

- Engineered and implemented back-end APIs, microservices, and architectures.
- Established staging environments and orchestrated CI/CD pipelines.
- Constructed automated data scraping tools and a front-end testing framework utilizing Python-Selenium.

Technologies Used: Python, Flask, FastApi, ReactJS, NextJs, React-native, MongoDB, AWS, Celery, Redis, Selenium, Git.

Software Developer

NRU Tech, Bengaluru - June 2019 - April 2020

- Orchestrated the design and development of an end-to-end full-stack web application, which gained significant traction among local artists.

Technologies Used: Python, Django, ReactJS, HTML/CSS, Bootstrap, AWS, MySQL.

Software Developer

Docesys Infotech, Bengaluru - October 2017 - December 2019

- Spearheaded the design and development of three Android applications, complemented by modular back-end APIs and services.

Technologies Used: Python, PHP, Android, AWS, MySQL.

Projects

Dicer web scraper

<https://github.com/AsfanUlla/dicer>

- A multifunction web data scraper to retrieve jobs data from dice.com
- **Features:**
 - Fast
 - Pagination
 - Sort
 - Query based on technology and location
 - Rate Limit 20 requests/min
- **Technologies Used:** Python, Litestar, Piccolo ORM, PostgreSQL.

MutCoinMarket

<https://mutcoinmarket.com/>

- A visually pleasing & responsive site to buy/sell Madden NFL 25 and College Football 25 Coins.
- **Features:**
 - Buy or Sell - MUT25 & CFB25 coins
 - Multi platform support
- **Technologies Used:** Svelte/SvelteKit, TailwindCss, Cloudflare Pages, Cloudflare Workers KV.

Svelte ecom template

<https://svelte-ecom-template.pages.dev/>

- A Ecommerce website translated from a figma design
- **Figma Design:** <https://www.figma.com/design/JZKIQBeUJa4Lc7ITaFTTT>
- **Technologies Used:** Svelte/SvelteKit, TailwindCss, Cloudflare Pages, PostgreSQL, Supabase.

Multi blog management app

<https://github.com/AsfanUlla/blog-app>

- A Dynamic blog management app to host and manage multiple blog websites from a single place
- **Features:**
 - User friendly, responsive and customizable UI
 - Serve multiple blog sites
 - Rich text editor to write/edit articles
- **Technologies Used:** Python, FastApi, MongoDB, SemanticUI

Blockchain land registry app

<https://github.com/AsfanUlla/BlockChain-LandRegistry-FlaskApp>

- Application to keep a registry of Land ownership and history.
- **Features:**
 - User friendly UI
 - Create new registries
 - Transfer ownership
- **Technologies Used:** Python, Flask, Solidity, Truffle, Ethereum.

Smart shelf

<https://github.com/AsfanUlla/SmartShelf>

- Smart shelf which predicts the availability of item placed over it.
- **Features:**
 - Predict availability of items
 - Linear regression algorithm
 - Generate recommendations to auto place orders of items about to run out.
- **Technologies Used:** Arduino, Load cell, Android

WeatherApp

<https://github.com/AsfanUlla/WeatherApp>

- Displays city's weather using OpenWeatherMAP API
- **Features:**
 - Smooth Animated UI
- **Technologies Used:** Python, Django, OpenWeatherMAP API

OpenBox

- Portable Linux server built using a modified TP-Link MR3020 and OpenWrt to act as a platform to build portable solutions.

LAC - Local Area Communication

- Facilitate local area communications over wifi using the SIP protocol, built on a modified TP-Link MR3020 to act as a portable Linux server (*OpenBox*)
- **Features:**
 - Portable
 - No additional apps required on client side
- **Technologies Used:** OpenWrt Linux, TP-link MR3020, Bash, Asterisk Framework, SIP.

yAPT — yet another pen-testing tool

<https://github.com/AsfanUlla/yAPT>

- yAPT is an on the go tool for pen-testing wireless networks.
- **Features:**
 - Portable
 - Scan wireless networks on the go
 - Web based Admin panel
- **Technologies Used** - Linux, Bash, Python, RPI3, WIFI.

ADS — Anti Drone Solution

<https://github.com/AsfanUlla/Anti-Drone-Solution>

- Anti Drone Solution for wifi based drones
- **How it works:**
 - Grab and spoof controller MAC
 - Deauth
 - Establish connection between attacker and drone using the spoofed MAC
 - Successful Takeover
- **Technologies Used:** NodeJS, PHP, Linux