

# KASHIF AZIZ

PYTHON | REST APIs | Web Scraping | SEO



Senior Backend Developer experienced in building web solutions primarily using Python.



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<https://www.linkedin.com/in/kashifaziz/>



<https://github.com/kashaziz/>



<https://www.kashifaziz.me/tag/python/>

## PYTHON DEVELOPER

More than 3 years of Python development experience, I am very much hands on with gathering business requirements and implement them using well documented, PEP8 compliant code.

**Frameworks used:** Django, Flask

**Packages used:** Some of the packages I frequently work with, are: BeautifulSoup, Requests, Scrapy, Selenium, Pandas, OpenPyxl, Python-docx, Python-pptx

**Databases:** MySQL, SQLite

**Deployment Stack:** Nginx, Gunicorn, uwsgi, DigitalOcean, AWS, Elastic Beanstalk, S3, EC2

**Portfolio:** Some of the exciting and challenging tasks accomplished:

### Web Scraping:

- Extracted funeral home details from parting.com. More than 100,000 records across America. Used rotating proxies to manage CDN throttle.
- Scraped a list of 3,000 martial arts institutes in the UK and identified a) tools used to build those sites b) mobile responsiveness and c) page load speed
- Extracted property listings from an account at appfolio.com and incorporated the data into a WordPress site.
- Scraped product listings from electrolux.com using Selenium
- Scraped gym details, maps and Google Streetview images iterating through all US Zip codes.
- Scraped racing data from horseraces.pmu.fr - this was a complex task as data has to be extracted from various tabs and some custom calculations were applied on the result set.

### Data Processing and Manipulation:

- Developed translation web service that can translate Excel documents from one language to other using Google Cloud Translate API. The translation preserved sheet styles and formulas.
- Developed web service to generate PowerPoint slide using icons from certain websites based on provided keyword.
- Wrote script to access Dropbox folders via API and rename thousands of image files based on certain patterns.
- Extracted company financial data from Yahoo Finance and generated on-demand Excel document using Flask framework.

**API based back-ends**

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- Developed backend for fitness event app  
<https://play.google.com/store/apps/details?id=com.bettertogether.android>  
Tech Stack: Python, Django, MySQL
- Worked on the backend of mobile first recruitment website in Sweden.  
Tech Stack: Python, Flask, Redis, MySQL
- Working on a project to transform Excel based IAS-19 processing system to a cloud based solution.  
Tech Stack: Python, Django, MySQL, S3, EBS

## Open Source:

- Wrapper for Indeed Job Search API. Searches jobs listed at Indeed.com based on location and keyword, stores result in a CSV. <https://github.com/kashaziz/indeed-python-wrapper>
- Proxy rotation script to rotate ProxyMesh proxies. <https://github.com/kashaziz/rotating-proxy-python>

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## WORK SUMMARY

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### Senior Backend Developer

September 2019 to date

Diya Interactive, AB

Tech Stack: Python (Flask, Django), MySQL, AWS

As Senior Backend Developer building backend systems for web and mobile-based applications. Some of the projects I was involved with, are:

- A mobile-first recruitment website in Sweden. Technology used: Python Flask, MySQL
- Backend for an Australia based fitness related event management app. Technology used: Python Django, Django REST Framework, MySQL
- Backend for a mental health consultancy website. Technology used: Python Django, Django REST Framework, MySQL
- System design and backend development for a cloud based financial application to process End Of Service Benefits related to International Accounting Standards (IAS-19)

### Senior Python Developer (Remote)

March 2019 to September 2019

AskBrian GmbH

Tech Stack: Python (Flask, Requests, BeautifulSoup, Requests, Pandas, OpenPyxl)

Worked on backend of AskBrian, a digital translation service provider. Tasks included building Python Flask based pipelines to consume various APIs and generate Excel sheets and PowerPoint presentation.

Some of the APIs used are:

- Google Cloud Translation API to translate Excel and PowerPoint documents.
- S&P Global Financial API to extract stock data and generate Excel reports.
- The Noun Project API to generate PowerPoint presentations filled with icons.

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## **Software Development Consultant**

January 2016 to February 2019

HexaByte Tech

Provided services related to web development, internet marketing, SEO and lead generation to diversified businesses and industries.

Tech Stack: Python (Flask, Requests, BeautifulSoup, Pandas, Selenium), MySQL, WordPress

## **Rewaj Tech**

May 2007 to December 2015

*Senior Developer and Team Lead*

Managed a diversified team of professionals, including in-house staff and freelancers on various projects related to web development and internet marketing.

Also managed product development, brand development and promotion, strategic partnerships and generation of profit avenues.

## **IUCN, Pakistan**

April 2005 to April 2007

*Web Communications Coordinator*

As Web Communications Coordinator, managed web resources of IUCN Pakistan ([www.iucnp.org](http://www.iucnp.org)). Some of the achievements were:

- Organizational Intranet for document management and collaboration
- Web based Content Management System
- Web site for District Mirpurkhas
- Education and Facilities MIS for District Badin

## **Ferguson Associates**

February 2001 to March 2005

*Information Technology and Management Consultant*

As a Consultant in Management Consultancy section of Ferguson Associates (at that time a subsidiary of AF Ferguson, Chartered Accountants and associated with PwC), worked on Information Technology aspect of Business Development Proposals and Reports. Also, participated in development of Shares Registration Services software.

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## **EDUCATION & QUALIFICATIONS**

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B.Sc. from Karachi University, Karachi, Pakistan

Two years Diploma in Computer Science