

KASHIF AZIZ

Python | Django | REST APIs | Web Scraping | SEO

Senior Backend Developer building web and data solutions primarily using Python.



kashaziz@gmail.com



<https://www.kashifaziz.me>



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

What do I do?

- Transforming ideas into scalable and robust software solutions that drive business growth.
- Crafting elegant web applications with clean code and intuitive user experiences.
- Constantly expanding my knowledge and staying up-to-date with the latest industry trends and technologies.
- Expertise in developing RESTful APIs that power innovative applications.
- Experienced in translating complex requirements into efficient and maintainable code.
- Collaborating with cross-functional teams to deliver high-quality projects within tight deadlines.
- Continuously optimizing and enhancing existing systems to achieve optimal performance.
- Committed to building inclusive and accessible software solutions for diverse user communities.
- Sharing my insights, tips, and experiences through blog posts and open-source contributions.
- Seeking new challenges and opportunities to contribute to cutting-edge projects.

SENIOR PYTHON DEVELOPER

More than 6 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, Firestore, Redis

Deployment Stack: Nginx, Gunicorn, uwsgi, DigitalOcean, AWS, Elastic Beanstalk, S3, EC2, Azure, Google Cloud

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PORTFOLIO

Data Processing and Manipulation:

- Backend services to fetch, process and update property listings at www.assumelist.com.
- 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 using Django and Django Rest Framework:

- Digital Life Insurance application used by 10,000 insurance agents.
- Digital employee benefits management system (IAS - 19).
- Unofficial app for uskidsgolf.com, managing players and tournaments.
- Backend for a fitness related event app
- Backend for mental health website and app - saayahealth.com

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.

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

Independent Consultant

September 2019 to date

Working as a Senior Backend Developer building backend systems for web and mobile-based applications, data ingestion and transformation pipelines, and data integration and management systems.

Senior Python Developer (Remote)

March 2019 to August 2019

AskBrian GmbH, Germany

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.

Software Development Consultant

January 2016 to February 2019

HexaByte Tech, Pakistan

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

Senior Developer

May 2007 to December 2015

Rewaj Tech, Pakistan

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

Web Communications Coordinator

April 2005 to April 2007

IUCN, Pakistan

As Web Communications Coordinator, managed web resources of IUCN Pakistan (www.iucnp.org).

Information Technology Consultant

February 2001 to March 2005

Ferguson Associates (member firm of PwC), Pakistan

Worked on Information Technology aspect of Business Development Proposals and Reports. Also, participated in development of Shares Registration Services software and migration from FoxPro for DOS to MS Visual Basic.