KASHIF AZIZ

PYTHON | Django | REST APIs | Web Scraping | SEO

Senior Backend Developer experienced in building web solutions primarily using Python.
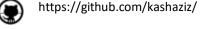
✉ kashaziz@gmail.com   in https://www.linkedin.com/in/kashifaziz/

⊙ https://github.com/kashaziz/   ⊕ https://www.kashifaziz.me/tag/python/

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

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 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

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

Senior Backend Developer & Architect   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 August 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). Some of the achievements were:

- Organizational Intranet for document management and collaboration
- Web based Content Management System
- Web site for Districit 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.

EDUCATION & QUALIFICATIONS

B.Sc. from Karachi University, Karachi, Pakistan
Two years Diploma in Computer Science