WAHEED AMIR

Senior Software Engineer

(+92) 333-3222060 waheed.development@gmail.com waheedamir Lahore, Pakistan

SUMMARY

I am a Senior Software Engineer with over 6 years of experience in web development, data processing, API development, and data analysis. Proficient in Python and frameworks such as Django, Flask, and FastAPI. I have expertise in data manipulation using Pandas and SQLAlchemy, and front-end development with ReactJS. I demonstrate a strong passion for solving complex problems and staying updated with emerging technologies

EXPERIENCE

Senior Software Engineer

Flicken

03/2022 - Present Lahore, Pakistan

- Directed a multidisciplinary team in managing sprints and gathering requirements, ensuring projects were delivered on time and aligned with business objectives
- Facilitated team training sessions to enhance skills in web development and job scheduling, fostering a collaborative and high-performing work environment
- Managed code reviews to maintain high-quality standards and implement best practices, ensuring robust and efficient software solutions

Senior Software Engineer

Paymob

01/2022 - 11/2022 Remote

Remote - Part time - Project Based

- Developed automated data scraping solutions using Selenium and Octoparse to efficiently extract and process information from various web sources
- Engineered scalable back-end web services with Python Django for seamless integration with front-end applications at Paymob

Senior Software Engineer

Turing

03/2022 - 08/2022 Remote

Remote - Part time - Project Based

- Utilized the Django REST framework to create scalable back-end web services, enabling efficient data handling and seamless integration with various applications
- Designed and executed data scraping and scheduling systems with RabbitMQ pipelines, optimizing data flow and ensuring timely processing of information
- Leveraged ReactJS for frontend implementation, delivering interactive and user-friendly interfaces that enhanced overall application usability

Senior Software Engineer

Venrup

03/2021 - 02/2022 Lahore, Pakistan

- Developed and deployed microservices using the Flask Framework, enhancing website functionality and supporting scalable web applications
- Utilized ReactJS for front-end development, delivering responsive and dynamic user interfaces that improved user experience and engagement
- Applied Pandas for data wrangling, enabling efficient data manipulation and preparation for downstream analysis
- Executed data science modeling and analysis to extract insights and drive data-driven decision-making, supporting strategic business initiatives

Software Engineer

Fecundity LLC

03/2020 - 02/2021 Lahore, Punjab

- Led the implementation of data scraping solutions using the Scrapy Framework, creating efficient pipelines for data wrangling and storage that improved data accessibility and analysis
- Leveraged the Django REST framework to provide scalable microservices, enhancing system modularity and facilitating seamless integration across platforms
- Spearheaded requirement gathering sessions and managed sprints, ensuring alignment with project objectives and timely delivery of features that met stakeholder expectations

EXPERIENCE

Associate Software Engineer

Big Data Analytics

10/2018 - 03/2020 Lahore, Pakistan

- Led the development of robust data scraping solutions using the Scrapy Framework and Selenium, enhancing data extraction capabilities and automating web processes for increased productivity
- Utilized Pandas to streamline data processing and analysis, delivering actionable insights that informed strategic business decisions
- Implemented cutting-edge solutions for address standardization using HERE API and Google API, significantly improving data accuracy and consistency across systems
- Designed and maintained data monitoring systems using Bootstrap, HTML, CSS, JS, and Django, ensuring real-time visibility into key metrics and system performance
- Managed and optimized databases across SQL, MySQL, and PostgreSQL platforms, achieving enhanced performance and resource efficiency

EDUCATION

B.S. in Computer Science and Engineering

NUCES (National University of Computer and Emerging Sciences)

08/2014 - 05/2018 Lahore, Pakistan

SKILLS

AWS **AWS Lambda** **Beautiful Soup** **Big Data** **Bootstrap** **Caching** **Celery** **CSS** **Dataflow** **Django** **Docker** **ETL** **Flask** **GCP** **Google API** **HTML** **IRIS** **LMS** **MongoDB** **Memcached** **Pandas** **PIC** **POC** **PostgreSQL** **Python** **RabbitMQ** **React** **Redis** **REST** **S3** **Scrapy** **Selenium** **SQL** **SQLAlchemy** **Web Scraping** **Microservices** **Django Rest Framework** **Gmail**

PROJECTS

IRSA

irsa.edu.pk

An Academic Review and Performance Analysis Database of IRS Academy

- Developed a Teacher-Student Interactive Module for a Learning Management System (LMS) that provided dynamic course overviews and facilitated real-time teacher-student communication through features like multimedia content, live Q&A sessions, and interactive quizzes
- Implemented personalized learning paths using algorithms to tailor course suggestions based on student performance and preferences, enhancing user engagement and creating a more effective and customized educational experience

Unation

unation.com

A platform uniting all a city's events with simple ticket purchasing

- Developed microservices architecture using Django REST framework to enhance modularity and scalability of the application, ensuring seamless integration with front-end systems
- Scraped data from US event-related business partners by leveraging advanced web scraping techniques and libraries to collect, process, and analyze large datasets efficiently
- Implemented an ETL (Extract, Transform, Load) process for scraped data analysis, enabling the transformation of raw data into meaningful insights and reports for business intelligence
- Designed and implemented a caching strategy utilizing Redis and Memcached to optimize application performance, reduce server load, and improve response times for frequently accessed data

Price Predictor

Desktop Application

Predict the single-family homes rental pricing

- Analyzed historical pricing trends for single-family homes by leveraging comprehensive data analytics to identify patterns and market insights, supporting informed decision-making
- Performed data scraping, data wrangling, and reporting to collect, clean, and analyze real estate data from multiple sources, resulting in accurate and actionable insights for stakeholders

PROJECTS

Days

Data file processing and apply data wrangling techniques

- Managed AWS deployments and optimized data storage solutions on S3, ensuring high availability and reliability of cloud resources to support scalable applications
- Performed data processing and data wrangling to clean and transform raw datasets into structured formats, facilitating accurate analysis and reporting

Digicomply

digicomply.com

Uniform the documents of different sites and display on the website

- Collected articles from multinational websites using web scraping tools and techniques to gather a diverse range of content for analysis and reporting
- Aggregated and analyzed PDF files to test and evaluate the cost-effectiveness of data acquisition strategies, ensuring optimal resource allocation and budget management