Waleed Ahmad

w.ahmad1024@gmail.com — +92 320 0201300 — www.waleedahmad98.github.io
waleedahmad98 wahmad1024

EXPERIENCE

Strategic Systems International, Pakistan 2022 - Present
Full Stack Developer

- Accomplished full-stack developer adept in diverse domains, spanning frontend, backend, and multiple microservices
- Proficiency in .NET 6, Angular, React, Python, Azure services, and cloud solutions such as Azure CI, Azure CosmosDB, and Azure API Management
- Expertise in data analysis, visualization with Elasticsearch and Kibana, and real-time data streaming via Kafka
- Skilled in implementing caching solutions using Redis and containerization with Docker
- Consistently recognized for strong problem-solving skills and outstanding developer performance

Freelance 2017 - 2022
Fiverr
Level 2 Seller

- Undergraduate experience as a freelance software developer on Fiverr
- Proficient in data scraping, artificial intelligence, and fullstack development
- Notable projects included data scraping using various methods, API manipulation, beautiful soup, selenium, and playwright
- Collaborated with clients worldwide, consistently delivering high-quality code
- Achieved a Level 2 rating with all 5-star reviews

EDUCATION

B.S. in Computer Science 2018 - 2022
CGPA: 3.2
National University of Computer & Emerging Sciences, Pakistan

F.Sc. in Pre Engineering 2015 - 2017
Forman Christian College, Pakistan

SKILLS

Software Development: *ASP.NET, Node.js, Flask, React, Angular, Next.js, Electron.js, MongoDB, SQL, Python eel, Basic Web Development (HTML, CSS, Sass), Docker, Redis, Apache Kafka, Elasticsearch, Git*

Data Scraping: *Selenium, Beautiful Soup, Playwright, Puppeteer, Cheerio, Jupyter/Google Colab, Pandas*

Cloud: *Azure API Management, Azure Function Apps, Azure App Service, Azure CosmosDB, Azure DevOps*

Programming Languages: *Javascript, Typescript, Python, C#, C++, SQL*

Graphics Design / UI: *Adobe Photoshop, Adobe Illustrator, Adobe XD, Figma*

PROJECTS

Blockchain based Digital Identity Management
A project aimed to provide secure method of storing and sharing digital credentials, certificates and degrees. It utilizes decentralized networks to eliminate storage of important credentials on vulnerable servers that are prone to hijacking and hacking. The blockchain architecture makes sure that the credentials are tamper-proof by generating Non-fungible tokens of the credentials. It uses smart contracts written in clarity and is built on Stacks Blockchain, Node.js and React Framework, paired with Gaia as the cloud provider for storing secured credentials.
Tools & Technologies: Blockstack.js, Node.js. Javascript, React, Hiro Wallet, MongoDB

IoT-based Data Dashboarding
The project is about agricultural harvesting and loading machines produced by a German company which is leading manufacturer of machines for harvesting sugar beets and potatoes, not only in Germany but also throughout Europe. All machines send the data to a server using CAN bus protocol which stores that data into Time Series Influx database and Kafka as well. There is a service that calculates the KPIs and position data for those machines. A web portal displays all the data related to KPIs and position of all machines.
Tools & Technologies: .NET 6, Microservices, Angular, Postgres, Redis Kafka, Elasticsearch, Kibana, Glances, Azure DevOps

Cloud-based Microservice Customer Platform
This project relies heavily on multiple services and is aimed to bring people closer through the leading intelligent hearing, audio, video, and gaming solutions. It helps people with hearing loss overcome real-life challenges, improve communication and collaboration for businesses, and provide great experiences for audio and gaming enthusiasts. Using microservices architecture and deployed on Microsoft Azure cloud services (with a combination of Azure Cosmos, Function Apps and API Management), the customer data platform (CDP) manages customer data.
Tools & Technologies: Azure Cloud Services, Microservices, .NET 6

PropsKit
A realtime data scraper designed to work headless through Amazon AWS cloud instances to fetch data from popular real estate websites including Zillow, Trulia, Realtor and dashboard them for a better experience and ease of finding better deals. The project was built with Node using Puppeteer, Cheerio for parsing the data and React for the front end. Amazon EC2 was utilized for deployments and running the service.
Tools & Technologies: Amazon Web Services, Amazon Elastic Compute Cloud, React, Node

Draftkings AIO Data Tool
A set of tools based on multiple data scraping methods, which collect and build a database of most information related to DraftKings games including NFL, MLB and NBA. The tools helps generate player rankings and other information helpful in judging player performance and other criteria required.
Tools & Technologies: Python, Python eel, Pandas, Docker

Context-based Learning With OpenAI
A research project focused around Chat-GPTs APIs utilizing a much smaller dataset of products. This AI project learns a set of products and their ratings from amazon. Chat-GPTs APIs are then used to respond on questions related to these products in this context only, rather than responding on them generally. The intended research about customizing datasets and Open AI proved to be successful

Wall Panther
Wall Panther is a wallpaper app for Android OS which lets you view, download, and set wallpapers on both home and lock screen. It is built using Java Android and published on the Google Play Store.
Tools & Technologies: Java Android