

AHSAN UMAIR

FULL-STACK DEVELOPER

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Objective

Full Stack Web Developer proficient in fundamental front-end languages and server side languages. In depth knowledge of Python, JavaScript and SQL. Analytical and precise professional with more than 5 years of hands-on-experience taking charge of front-end and back-end web development. Skillful creating servers and databases for functionality and designing and developing APIs. Hardworking collaborator with a track record of superior results. Collaborative team player with excellent abilities. .

Specialties: Django, Django REST Framework, Geo-Django, pg-tileserv, Node JS, React JS, Express JS, Bootstrap, Material UI, Git, AWS, Google Cloud Platform, Heroku, Firebase, Linux, Selenium.

Highlights

- Strong **System analysis** and **design skills**
- Strong **object oriented** and **visual concepts**
- Strong **system Integration, checking and rechecking**, and **Problem solving skills**
- Strong skills in **Developing Applications**
- 2+ years of experience in **Linux System Administration**
- Strong **Database concepts**
- 2+ Year experience of configuring **Nginx, Ngrok and Gunicorn Servers**
- 2+ Year experience of **Web Scraping**
- 4+ Year experience of User Authentication with **Json Web Tokens**
- 4+ Year experience of **JavaScript and various frameworks**
- 1+ Year experience of **Network Monitoring with Zabbix**
- 2 Year experience of **Teaching**.

Experience

- **Sr. Full Stack Developer (Remote)** August 2022 – Present
Dynalytix (The Hague, The Netherlands)
 - <https://dynalytix.ai/>
Dynalytix acts as a bridge between breakthrough science and the industry by transforming the latest developments into value-generating solutions. We believe that AI will play a huge role in an ever more competitive future of how products are made and services are being provided as data enables us to provide insights and optimizations which would be difficult for humans to grasp.

Tools: Next JS, Node JS, Git, AWS LightSail Linux Instance, Nginx, pm2.

- <https://api.dynalytix.ai/>

A Python Web Scraping project in django which fetches information from websites and images. Built with django rest framework. This contains all the APIs needed to run the VNG-DOOK Pilot project for web and mobile applications.

APIs:

1. **GET:** api.dynalytix.ai/get-history/user_id. This API is used to get the history of user uploaded images.
2. **GET:** api.dynalytix.ai/get-data/user_id This API gets the license data of vehicles.
3. **POST:** <https://api.dynalytix.ai/upload/>. This API takes an image. It fetches the location from metadata. The AI models recognize the company and license plates from images. The license plate information is scraped from <https://ovi.rdw.nl/default.aspx>. All the data is stored inside PostgreSQL. Files are stored inside S3 bucket. The location is shown on pg-tileserv with all details.

Tools: Python, Django Rest Framework, Selenium, AWS EC2 Linux, Git, Geo-Django, multi-threading.

- **pg-tileserv** <http://3.72.94.205:7800/>

This is the URL of live pg-tileserv. It shows the captured images location and the details. It has multiple layers.

Tools: pg-tileserv, PostgreSQL, PostGIS, Geo-Django.

- <https://docmanager.dynalytix.ai/login>

A document manager website where users upload pdf files and files are classified at backend and stored on S3 bucket. A.I models classify the files on the basis of content inside the files. I have created the web interface and backend of this project.

Tools: Python, Django, Django-rest-framework, Node JS, JWT, PostgreSQL, S3 bucket, Docker, docker-compose, Git, AWS, Nginx, Unicorn, React JS, Doc-to-html, Webpack, Pm2, Bootstrap, line-awesome, docker-compose, Docker.

- **Web Developer (Remote)**

Feb 2022

SSG SHIPPING (Dubai, UNITED ARAB EMIRATES)

- <http://ssgshipping.ae/>

SS GLOBAL SHIPPING AND FORWARDING LLC is a company based in the heart of Dubai, is a young dynamic freight solutions provider company, with professional staff who has over 20 years of global experience and Supported by its own

offices and associates. SS GLOBAL SHIPPING AND FORWARDING LLC is "one-stop-solution" to meet all of your logistics requirements.

- Planned website development, converting mockups into usable web presence with HTML5, JavaScript, AJAX and JSON coding.
- Handled Design, Development, Deployment and maintenance of integration processes.
- Deployed and tracked assets for customer use.

Tools: HTML5, CSS3, Bootstrap, JavaScript, AJAX, JQuery, PHP, Cpanel, SMTP Mail.

- **Web Developer (Remote)**

March 2022

ARSLAN ZAHID SERVICES (Dubai deira al murar abdul bari 5, office 409)

- <http://www.arslanzahidservices.com/>

Arslan Zahid has a professional management team with a progressive, pro-active outlook, that gives emphasis on detailed planning and careful monitoring of each project, large or small.

- Planned website development, converting mockups into usable web presence with HTML5, JavaScript, AJAX and JSON coding.
- Handled Design, Development, Deployment and maintenance of integration processes.
- Deployed and tracked assets for customer use.

Tools: HTML5, CSS3, Bootstrap, JavaScript, AJAX, JQuery, PHP, Heroku, Heroku CLI, Git, GoDaddy.

- **Sr. Django Developer (Remote)**

Nov 2021 - Jan 2022

TKC KITCHENS (5 Piccadilly Place, Manchester, M1 3BR, UK)

- <https://tkckitchens.co.uk/>

British Design Kitchen Company that specializes in delivering newly stocked premium kitchen items countrywide.

- Developed efficient and maintainable software according to business objectives and needs of clients.
- Maintained complex technology infrastructure and collaborated with the product team to implement new features and strategically plan for future products.
- Used various front-end and back-end technologies to develop app-solutions.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.

Tools: Python, Django, JavaScript, JQuery, Bootstrap, Linux, Google Cloud Platform, SSH, Nginx, Gunicorn, Nginx Proxy Server, HTML5, CSS3, Tawk to chat, SQLite, Stripe, PayPal, Git.

- <https://www.ziegal.co.uk/>

Online UK based cell phones ecommerce website.

- Developed efficient and maintainable software according to business objectives and needs of clients.

- Maintained complex technology infrastructure and collaborated with the product team to implement new features and strategically plan for future products.
- Used various front-end and back-end technologies to develop app-solutions.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.

Tools: Python, Django, JavaScript, JQuery, Bootstrap, Linux, Google Cloud Platform, SSH, Nginx, Unicorn, Nginx Proxy Server, HTML5, CSS3, Tawk to chat, SQLite, Stripe, PayPal, Git.

- **Ziegal Landing Page (Demo will be available soon)**
(<https://github.com/ahsanumair1199/Python-Django-Landing-Page>)

A landing page for <https://ziegal.co.uk/> made in Django.

- Fully responsive landing page website
- Working subscription form for mail services

Tools: Python, Django, JavaScript, Bootstrap, Linux, Heroku, PostgreSQL, Git.

- **TKC Responsive HTML Email Template (Demo will be available soon)**
(<https://github.com/ahsanumair1199/responsive-html-email-template>)

A fully responsive html email template for <http://tkckitchens.co.uk/>.

- Fully responsive template
- Working for all mail services
- Made with hand coding

Tools: HTML5, CSS3, Heroku (for demo), HTML5 Tables.

- **System Administration (On-site Internship)** June 2019 – July 2019
KFUEIT (Rahimyar Khan, Pakistan)

- **AI-kindi Labs**

KFUEIT university has computer & networking labs where experts and professionals build servers and applications for the university. AI-kindi is one of the labs there.

- Configured and maintained servers with many end devices.
- Resolved vulnerabilities by making improvements to network security.
- Monitored network devices and the bandwidth to track issues and solve them quickly and getting notifications of various network changes.
- Analyzed complex project server issues and worked on large enterprise and business critical applications.

Tools: Python, Bash, Zabbix, Nagios, Cron jobs, Linux, Kerberos, active directory.

- **Cyber Security Projects (Fun & Profit)**

No Organization

- **Remote Administration Tool, Python Reverse Shell (July 2020)**

A python based reverse shell with persistent script which can monitor any windows system. There are two modules: server and agent. Server gets the connection of a windows system when an agent gets installed and executes into it. It is built to bypass the windows security for penetration testing and bug bounty hunting purposes. The link to RAT is given:

- <https://github.com/ahsanumair1199/Python-Persistent-Reverse-Shell-Server-and-Agent.git>

- **PK Info, Information Gathering Tool (June 2018)**

Information gathering tool made in Python. The link to tool is given:

<https://github.com/ahsanumair1199/pk-info.git>

It has following features:

- Find domains information
- Cloud Flare detector
- Http header grabber
- Honeypot detector
- IP Location finder
- Trace network routes
- Robots.txt scanner

- **IoT Based Tubewell Automation System (FYP)**

June 2019 – Aug 2021

KFUEIT (Rahimyar Khan, Pakistan)

- **Final Year Project (A+ Grade)**

The objective of this project is to develop the IOT Based Tubewell Automation System. This project Report used for IOT Based Tubewell Automation System. In the IOT Based Tube Well System there will be ON/OFF operation through GPRS signals. Multiple tube wells scattered over a large area will be connected through a network which will be controllable from a head office. In this way the fault/problem at any tube well will be monitored through the network and a specific notification will be generated and sent to the server at head office. All data will be logged into a database server. The link to documentation is given below:

- https://drive.google.com/file/d/1xEsX1o7odmrR_U8zPdftt8FIUM4lMWTv/view?usp=sharing

Tools & Technologies: C++, Arduino, ESP8266 wifi module, temperature module, motion sensor, ampere meter, voltage meter, arduino IDE, Thnigspeak dashboard.

- **File Separator Java Project (Mid term project)**

June 2019 – Aug 2021

KFUEIT (Rahimyar Khan, Pakistan)

- **Mid Term Project (A+ Grade)**

This is a simple JAVA program to separate different types of files in a directory and separate them into different folders with user permission. The project contains different Class Files and a MAIN file named fileseparator.java in which all classes are imported. The usage of the project is to scan a directory, recognize and count all files in that directory. If a directory contains files in it then the program will tell the total number of files in it and total number of each type of file in it. Then it will ask for separating each kind of file to a different new folder which will be made by the program itself and it will move all single types of files into the new folder if the user gives permission to move files and similarly the program will ask for other files. The link to Project is given below:

- <https://github.com/ahsanumair1199/File-Separator-Mid-term-JAVA-project-No-GUI.git>

Tools & Technologies: C++, Arduino, ESP8266 wifi module, temperature module, motion sensor, ampere meter, voltage meter, arduino IDE, Thnigspeak dashboard.

Educational Profile

- **2019 – 2021: Khwaja Fareed University of Engineering & IT**
- - MSC (Computer Sciences)
- Modules studied include: Software Engineering, Algorithms, Computer Graphics, Technical & Business Communication, Advanced Programming, Artificial Intelligence and Web Development.
- **2016 – 2018: Superior College**
- - ADP (Computer Science)
- Major subjects: Programming, DBMS, Web Development, Math, IT.

Areas of Interest

- Web Development
- Information Security
- Cyber Security
- Linux OS
- Teaching

References

Will be provided on Demand