

# Zeeshan Majeed

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**Address:** Stockholm, Sweden (Home)

## ● ABOUT ME

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Dynamic Software Engineer with a deep-seated passion for algorithms and data structures. Armed with proficiency in Python, C#, C++, and essential tools like CI/CD and SQL. As a cloud aficionado, I'm adept with AWS and GCP, consistently ensuring data consistency and quality. My leadership qualities, combined with strong problem-solving, debugging and troubleshooting abilities, are enriched by a flexible mindset and the capacity to think logically. This enables me to tackle challenges head-on. Focused on industrial automation, I craft robust solutions, bolstered by sharp analytical skills and a self-driven approach.

## ● WORK EXPERIENCE

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03/2023 – CURRENT

### DATA ENGINEER / PYTHON DEVELOPER VALUECHECKER

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- Led backend tasks like web scraping, piping, normalization, warehousing, and data migration, defining technical architectures comparable to AWS services like S3 for data storage and Glue for data cataloging.
- Orchestrated migration from Python 2.7 to 3.11, Dockerization, and enhanced DevOps processes using Airflow DAGs, laying the groundwork for complex data workflows akin to those managed by AWS Glue.
- Utilized Git, GitLab, Bash, Linux, and GCP for version control and cloud tasks, akin to managing AWS-based cloud resources and services, promoting team-based development.
- Streamlined Airflow jobs for task scheduling, process automation, and commissioning data solutions, facilitating a transition to cloud-based data querying and analysis using AWS Athena.
- Translated business requirements into scalable data solutions, enabling visualization and monitoring tasks compatible with platforms like Grafana for enhanced data insights.
- Authored technical reports and documents, ensuring clarity and detail, which is essential for maintaining accurate documentation of cloud-based ETL processes and data pipelines.

**Website** <https://www.valuechecker.net/>

11/2020 – 08/2022

### SOFTWARE ENGINEER GIANT GROUP

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- Utilized Python and SQL, including SQL scripting, to execute various operations like driving process efficiency, and enhancing data management.
- Designed and maintained data pipelines using Apache Airflow, ensuring high data quality and accessibility for data processing and data flow.
- As a data analyst, conducted comprehensive data analysis on large datasets using Python libraries (Pandas, Numpy, Matplotlib) and designing dashboards using powerbi.
- Managed front-end and back-end operations using C#, Angular, Asp.net web forms, MVC models, Rest API's, and Entity Framework, ensuring cross-browser and mobile compatibility.
- As a software test developer, led UI Test automation simulation and designed test cases and test plans in collaboration with the QA team.

**Website** <https://www.giantgroup.com/>

05/2020 – 11/2020

### WEB DEVELOPER PAKISTAN INFORMATION TECHNOLOGY COMPANY

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- Managed the entire Front End, Backend, and Serverside development of the application using HTML, CSS, JavaScript, PHP, Bootstrap, Foundation, Form validations, and jQuery. Responsible for working with JavaScript libraries like charts.js and highcharts.js.
- Managed the database operations at MySQLi PHPMyAdmin.
- Testing and Deployment of the application. Daily commits on SVN.

**Website** <http://pitc.com.pk/>

- Worked on IoT projects integrating devices with web apps for real-time visualization and management.
- Assisted in prototyping a smart home system using Raspberry Pi and Arduino for web-based appliance control.
- Integrated PLCs with web apps for remote industrial device monitoring and control.

Website <https://techprobox.com/>

## ● EDUCATION AND TRAINING

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08/2022 – CURRENT Sweden

**MASTER'S IN DATA SCIENCE - DATA ENGINEERING** Uppsala University

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Website <https://www.uu.se/>

## ● DIGITAL SKILLS

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Python | GCP - Google Cloud Platform | SQL and MS-SQL | Bootstrap | OpenCV | CSharp (.NET) | Pytesseract  
OCR | Stored procedures | PHP | Object-Oriented Programming | RESTful api | Web scraping | JQuery |  
SQL | BeautifulSoup | Selenium WebDriver | Python (matplotlib, pandas, numpy, etc) | JavaScript | Linux |  
Angular / AngularJS | ui/ux | API Integrations | Apache Airflow | Docker / Kubernetes |  
AWS(Sagemaker, Glue, Athena, S3) | Grafana Monitoring | ASP.Net: Web Forms, MVC, Web API, WCF | Git, TFS,  
TortoiseSVN, Postman | Agile methodologies (SAFe, Scrum) | Git | Postman | Amazon Web Services - (EC2 -  
Lambda - S3 - Redshift) | Test-driven development.

## ● ADDITIONAL INFORMATION

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### PROJECTS

Repair Price Scraper and Airflow ETL (AWS) | Documentreader(OpenCV) | Face Recognition(OpenCV) |  
AlaScrapy | VCNight | Sentiment Analysis on twitter dataset | Covid cases data Analysis | Data analysis for car  
accidents |

Data Analysis Using PowerBI for Giant Group and TechProBox( Annual Sales Analysis, Profit and Loss Analysis,  
Financial Analysis) | Pro Athletes forum | Employees Recruitment Portal | AplosPro | GepLMS | Smart Home  
Automation System

### ACHIEVEMENTS

1- Successfully led and upgraded project from Python 2.7 to 3.11.4, Dockerized entire system, and implemented  
automated processes with Airflow DAGs.

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2- Implemented feature enhancements, data normalization, and automated data processes, ensuring data  
integrity through Airflow DAGs for seamless data import across databases.

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3- Successfully automated data extraction, transformation, and loading processes using AWS Glue Crawler and  
Athena to catalog data in S3, DBT for SQL-based transformations in Redshift, and Apache Airflow for DAG  
workflow scheduling and monitoring.

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4- Utilized Python, OpenCV, Google Cloud Vision API, and the face\_recognition library to develop a robust  
system capable of identifying and labeling individuals in real-time video streams.

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5- Developed an advanced Document Reader application using OCR, OpenCV, and Google Cloud Vision API,  
significantly improving text extraction accuracy from complex images.

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