



# Donatus Ajaezu

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## Summary

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I am an expert in building and maintaining data processing mechanisms and website functionalities, specializing in server-side software, SQL databases, back-end logic, APIs, architecture, and server management. In addition to my strong foundation in web development using Flask, Django, and web technologies like HTML, CSS, and JavaScript, I possess advanced skills in data analysis. My experience includes conducting in-depth exploratory data analysis, utilizing Pandas for data manipulation, and employing statistical analysis and machine learning techniques for predictive modeling. I am proficient in Jupyter Notebooks for interactive data exploration and documentation. My ability to integrate data analysis seamlessly into web development projects enables me to derive meaningful insights, enhance user experiences, and contribute to data-driven decision-making within the development lifecycle.

## Experience

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### 10/2023 – Present      Data Engineer (Freelance)

- Collecting data from various sources, such as databases, spreadsheets, surveys, and external APIs.
- Ensuring data quality and accuracy, cleaning and preprocessing raw data to remove errors, inconsistencies, or missing values, thereby transforming data into a usable format for analysis.
- Develop and implement databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality.
- Using Jupyter notebooks for interactive data analysis and documentation.
- Creating visualizations to explore and present data insights.
- Performing tasks like filtering, grouping, merging, and transforming datasets.
- Using tools like Tableau, Power BI, or other dashboarding platforms.
- Addressing business challenges by identifying opportunities for data-driven solutions.
- Offering recommendations based on data analysis to support decision-making.
- Proficient in scripting data pipelines for scheduled data movement and developing ETL/ELT processes.
- Knowledge of data movement into the cloud using tools like Apache Kafka, Storm, Flume, or Amazon Web Services (AWS) Cloud Development Kit (CDK).
- Experience with Python (PySpark), C#, JSON for calling APIs, PowerShell, Apache Spark, Kafka, Scala, Splunk, Elk Stack, data modeling, data warehousing solutions, data cleansing, and Terraform.

### 07/2022 – Present      Python Engineer (Solej Global)

- Developed websites and web applications using Flask and Django web frameworks, along with web technologies such as HTML, CSS, and JavaScript.
- Worked on various backend micro-services enhancements using Flask and the Django web framework.
- Integrate data from various sources, including internal databases, third-party APIs, and external data sets.
- Played a pivotal role in the core infrastructure team, responsible for designing, developing, and maintaining REST APIs and their integration into Android applications.
- Supported over 12 client applications used globally by implementing Continuous Integration and Continuous Delivery (CI/CD) practices.
- Actively participated in making architectural decisions and refining technical solutions.
- Optimized websites for improved speed and performance, enhancing the overall user experience.
- Provided technical support to clients to facilitate the usage of applications.
- Conducted testing and debugging to ensure the reliability and functionality of software solutions.
- Use scripting languages (e.g., Python, Bash, Unix) and programming languages for configuration purposes and to develop data-related solutions.
- Utilize cloud platforms (e.g., AWS, Azure, Google Cloud) for scalable and cost-effective data storage and processing.

## 08/2019 – 07/2022 Web Developer (OBIANEKS Investment Limited)

- Designed, developed, successfully launched, and maintained websites and applications for diverse clients using Amazon Web Services.
- Responsible for maintaining the codebase and implementing new features based on customer requirements.
- Ensured high code quality through rigorous code reviews.
- Provided technical support to clients to enhance the ease of using the applications we built.

## 08/2015 – 02/2016 Internship (Automotive) Trinity Scientific Automobile (Eddy Motors), Anambra, Nigeria

- Tested new automotive systems using the Python programming language.
- Worked on powertrain division and simulation tasks using the Python programming language.
- Conducted troubleshooting and vehicle diagnostics using software tools like OBD2 scanners.
- Engaged in automotive engineering processes, utilizing computer programs such as MATLAB and AutoCAD.
- Designed and implemented complex algorithms and approaches to address engineering and product-related challenges.

## Software Skills

➤ <b>Tech Stack:</b>	C, C++, Python, JavaScript, SQL, Typescript, Kotlin, Git
➤ <b>Libraries/Frameworks:</b>	Pandas, Matplotlib, Numpy, Seaborn Bootstrap, Django, Flask
➤ <b>Microsoft Office/Data Tools:</b>	Word, Excel, Power Point, MS Project, Power BI, Tableau
➤ <b>Graphics Design:</b>	Html, CSS, Corel Draw, Microsoft Photo Paint
➤ <b>CAD/Design:</b>	AutoCAD, Solidworks, Matlab

## Trainings/Certifications

➤ <b>Cs50(Free Havard Course):</b>	Introduction to Computer Science and the Art of Programming
➤ <b>Saylor Academy:</b>	Introduction to Modern Database Systems
➤ <b>HackerRank:</b>	Python, SQL, Problem Solving
➤ <b>Codecademy:</b>	HTML and CSS
➤ <b>Freecodecamp:</b>	Javascript, Kotlin and Scientific computing with Python
➤ <b>W3school:</b>	C, C++, Python, SQL, and Django Web Frame Work

## Education

08/2012 – 07/2017 **Chukwuemeka Odumegwu Ojukwu University, Uli, Nigeria**  
Mechanical Engineering (Bachelors in Engineering)  
GPA – 4.39/5.00

## Language Skills

- **Igbo:** Business Fluent/Native Speaker
- **English:** Business Fluent/Native Speaker

## Reference

Available Upon Request



Donatus Ajaezu

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