



Donatus Ajaezu

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Summary

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. 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,

Experience

10/2023 – Present Data Engineer (Freelance)

- Collecting diverse data from databases, spreadsheets, surveys, and external APIs.
- Designing and implementing databases, data collection systems, and data analytics strategies to optimize statistical efficiency and quality.
- Utilizing Jupyter Notebooks for interactive data analysis and documentation.
- Creating visualizations to explore and present data insights.
- Executing tasks such as filtering, grouping, merging, and transforming datasets.
- Proficiently scripting data pipelines for scheduled data movement and developing ETL/ELT processes.

07/2022 – Present Senior Python/Data Engineer (Solej Global)

- Developing and implementing databases, data collection systems, and data analytics strategies for optimal statistical efficiency and quality.
- Proficiency in data movement to the cloud using tools like Apache Kafka, Storm, Flume, or Amazon Web Services (AWS) Cloud Development Kit (CDK).
- Strong understanding of data governance and data management frameworks, leading to effective data solutions.
- Integrating data from diverse sources, including internal databases, third-party APIs, and external datasets.
- Ensuring data quality and accuracy by cleaning and preprocessing raw data to remove errors, inconsistencies, or missing values.
- Utilizing tools such as Tableau, Power BI, or other dashboarding platforms.
- Providing data-driven recommendations to support decision-making.
- Employing scripting languages (e.g., Python, Bash, Unix) and programming languages for configuration and data-related solution development.
- Experience with Python (PySpark), C#, JSON for API calls, PowerShell, Apache Spark, Kafka, Scala, Splunk, Elk Stack, data modeling, data warehousing solutions, data cleansing, and Terraform.
- Proficient in querying large databases using SQL.
- Played a pivotal role in the core infrastructure team, responsible for designing, developing, and maintaining REST APIs.
- Supported over 12 globally-used client applications by implementing Continuous Integration and Continuous Delivery (CI/CD) practices.
- Actively participated in making database architectural decisions and refining technical solutions.
- Addressed business challenges by identifying opportunities for data-driven solutions.
- Provided technical support to clients.

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.
- 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.
- 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

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

Trainings/Certifications

➤ Cs50(Free Havard Course):	Introduction to Computer Science and the Art of Programming
➤ Saylor Academy:	Introduction to Modern Database Systems
➤ HackerRank:	Python, SQL, Problem Solving
➤ Codecademy:	HTML and CSS
➤ Freecodecamp:	Javascript, Kotlin and Scientific computing with Python
➤ W3school:	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
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Language Skills

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

Reference

Available Upon Request



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