Donatus Ajaezu

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Summary

I have proficient skills in data engineering with a focus on designing and implementing robust data pipelines. My experience involves creating efficient data workflows, utilizing tools like Apache Spark and Apache Airflow for data processing, and optimizing data storage and retrieval systems. I have a strong background in data architecture, ensuring data integrity, and implementing scalable solutions for data infrastructure and conducting in-depth exploratory data analysis. Additionally, I am experienced in working with databases, data warehousing, and ETL processes to support the development of data-driven applications. 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 life-cycle. I am an expert in building and maintaining data processing mechanisms and website functionalities, specializing in server-side software, SQL and NoSQL databases, back-end logic, APIs, architecture, and server management and also a strong foundation in web development using Flask, Django, and web technologies like HTML, CSS, and JavaScript.

Experience

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

- Developing and implementing databases, data collection systems, and data analytics strategies for optimal statistical efficiency and quality.
- Integrating data from diverse sources, including internal databases, third-party APIs, and external datasets.
- Experience with Python (PySpark), JSON for API calls, PowerShell and Linux commands, data modeling, orchestration, data warehousing solutions, data cleansing, and Terraform.
- Proficiency in data movement to the cloud using tools like Apache Kafka, Storm, Flume, or Amazon Web Services (AWS) Cloud Development Kit (CDK).
- Proficiently scripting data pipelines for scheduled data movement and developing ETL/ELT processes.
- Strong understanding of data governance and data management frameworks, leading to effective data solutions.
- 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.
- Employing scripting languages (e.g., Python, Bash, Unix) and programming languages for configuration and data-related solution development.
- Proficient in querying large databases using SQL.
- Executing tasks such as filtering, grouping, merging, and transforming datasets.
- Played a pivotal role in the core infrastructure team, responsible for designing, developing, and maintaining REST APIs.
- Implementing Continuous Integration and Continuous Delivery (CI/CD) practices.
- Utilizing Jupyter Notebooks for interactive data analysis and documentation.
- Providing data-driven recommendations to support decision-making.
- Creating visualizations to explore and present data insights.
- 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, Google Cloud Services and Other Hosting Services(Namecheap, Hostinger...etc) .
- Worked on various backend micro-services enhancements using Flask and the Django web framework.
- Developed scalable REST APIs using Django Rest Framework (DRF), handling various functionalities like product management, order processing, and user authentication.
- Integrated third-party services such as payment gateways (e.g., PayPal, Stripe) and email service providers (e.g., SendGrid) into the platform to enhance transaction and communication workflows.
- Implemented JWT authentication and OAuth2 protocols for secure API access and user management.
- Optimized database performance by implementing indexing, query optimization, and caching strategies, resulting in a 40% reduction in page load times.
- Supported deployment and scaling with Docker and Kubernetes, containerizing applications for consistent development and production environments.
- Migrated legacy code from Python 2.7 to Python 3.x, refactoring outdated dependencies and improving performance across the platform.
- Maintained and managed databases in MySQL and PostgreSQL, including designing schemas, performing migrations, and managing relationships and constraints.Provided technical support to clients to enhance the ease of using the applications we built.

Software Skills

➢	**Data Engineering:**	Data Architecture, Orchestration, DataOps, Data Management, Analytics
➢	**Cloud Technologies:**	AWS, GCP, Apache Kafka, Terraform, Databricks
➢	**Programming Languages:**	Python, C/C++, R, SQL, Bash, Unix, PowerShell, Git, JavaScript
➢	**Libraries/Frameworks:**	PySpark, Pandas, Matplotlib, Numpy, Seaborn, Scikit-learn, Django
➢	**Microsoft Office/BI Tools:**	Word, Excel, Power Point, MS Project, Power BI, Tableau, Jupyter Notebooks
➢	**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
➢	**Microsoft and Linkedin**	Career Essentials in Data Analysis, Data Engineering
➢	**HackerRank:**	Python, SQL, Problem Solving
➢	**Codeacademy:**	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

Language Skills

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

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

Reference

Available Upon Request

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Linkedin: donatusajaezu
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Github: stbbash

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