Raphael Adesemoye

Backend Software Engineering | Data Pipeline and Cloud Specialist

Lagos, Nigeria | **Phone**: +(234)-81-2096-9162 | Linkedin | **Github** | Upwork | adesemoyeraphael@gmail.com

Skills

Programming Languages: Python | JavaScript |TypeScript | PHP

Frameworks & Libraries: Node.js | FastAPI | Flask | Django | Express | React

Cloud & DevOps: AWS | GCP | Docker | CI/CD | Git

Databases & Query Languages: SQL | MySQL | PostgreSQL | MongoDB | NoSQL

Data Engineering & Concepts: Data Pipelines | ETL | Reverse Engineering | Data Mining | Machine Learning | RESTful APIs | Microservices

Tools & Visualization: Power BI

English - ***All professional proficiency or above***

Experience

KnotAPI | Software Engineering   *New York, New York | May 2022 - Jan 2025*

- Engineered full-stack development of two flagship products (Merchant Site Card Switcher, TransactionsLink) from reverse-engineering to deployment, building automation engines in Python/TypeScript to handle sensitive user sessions and payment data across 100+ merchant platforms.
- Automated critical B2B workflows for partner banks and fintechs, enabling automatic card updates and transaction history extraction to eliminate manual processes and reduce checkout friction.
- Drove business growth by achieving **>99% reliability** and securing the **first pilot customer** for TransactionsLink, establishing a new revenue stream.

Millions | Data Engineering   *New York, New York | Apr 2021 - Apr 2022*

- Engineered scalable data pipelines to automate the collection and processing of unstructured social media data.
- Utilized Python and custom scripting to interface with Instagram, TikTok, and Twitter APIs.
- Eliminated manual data gathering, providing the company with a **continuous, automated feed of critical social media data** for the first time.

Upwork (Freelance) | Software & Data Engineering   *Palo Alto, California | Sep 2020 - Present*

- Delivered end-to-end data extraction and automation solutions for e-commerce, fintech, and SaaS clients using **Python, Scrapy, and AWS/GCP** to drive business intelligence and process efficiency.
- **Engineered automated data pipelines** that collect, process, and structure unstructured web data into SQL databases and warehouses, enabling actionable insights for clients.
- **Reverse-engineered complex websites and APIs** to build reliable web scrapers and backend services (Node.js, Python), **consistently meeting project specifications and deadlines.**

Education

University of Osun State| Bachelor's Degree   *Osogbo, Osun | Aug 2025*

- Major in Computer Science

Projects

Geospatial Loiasis Predictor	**E-commerce Scraper**
Python | ML	*TypeScript | Automation*
Built a full-stack web tool that processes geospatial data to model and predict the risk of loiasis transmission.	*Built a scalable multi-platform web scraper for real-time product scraping, enabling dynamic pricing strategies and competitive analysis for clients.*