

Abdalrasheed Saeed Soliman

Data Engineer

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Faqous, Egypt

Software Engineer with 3 years of hands-on experience transitioning into Data Engineering. I bring strong expertise in building scalable systems, API integrations, and database optimization. Now focused on leveraging Python, PySpark, Airflow, and cloud technologies to design robust data pipelines and ETL/ELT processes. Passionate about automating data workflows, integrating AI-powered systems, and enabling data-driven decision-making.

Education

Bachelor of Civil Engineering at Zagazig University

September 2018 - July 2023

Employment History

Software Engineer (Data Focus) at Scandiweb, Riga, Latvia

October 2022 - Present • [↗](#)

- Designed and implemented ETL pipelines to integrate Magento 2 with Warehouse Management System (WMS) and Stripe, automating data flow for order fulfillment, tracking, cancellations, and refunds—saving hundreds of hours of manual data processing monthly.
- Optimized database queries and implemented caching strategies using Redis and Varnish, reducing data retrieval times by 50% and improving overall system scalability.
- Built data integration workflows connecting e-commerce platforms with analytics systems, enabling real-time data synchronization and business intelligence reporting.
- Collaborated with marketing and analytics teams to design data pipelines for GA4 events and Klaviyo integration, enabling advanced customer journey analytics and segmentation.
- Led data optimization initiatives for a high-traffic platform with 400,000+ SKUs and 40,000+ active users, implementing efficient data indexing and query optimization strategies.
- Developed automated data quality monitoring and alerting systems to ensure data integrity across multiple integrated systems.
- Built and maintained RESTful APIs and GraphQL endpoints, gaining deep understanding of data interchange formats and system integration patterns.

Freelance Software Engineer & Automation Specialist at Upwork

March 2021 - Present

- Achieved Top Rated status on Upwork in under 7 months with a 100% Job Success Score, reflecting consistent client satisfaction in software development and automation projects.
- Designed and deployed AI-powered automation workflows using n8n, integrating with OpenAI, and various APIs to automate complex business processes and data transformations.
- Built intelligent data extraction pipelines using Python and custom scrapers to collect, clean, and process structured and unstructured data from diverse sources.

Skills

Programming & Data Processing: Python, Pandas, PySpark, SQL, JavaScript, PHP, Data Modeling, Data Wrangling

Data Engineering: ETL/ELT Pipelines, Apache Airflow, Batch Processing, Stream Processing

Databases: MySQL, PostgreSQL, MongoDB, Redis

Message Queues & Streaming: RabbitMQ, Event-Driven Architecture

Cloud & Infrastructure: AWS (S3, EC2), Docker, Git, GitHub, CI/CD

Automation & AI Integration: n8n (AI-Integrated Workflows), OpenAI API, API Integrations, Web Scraping

Analytics & Visualization: Google Looker Studio, Data Visualization, Business Intelligence, Google Analytics 4

Methodologies: Agile, OOP, SOLID Principles, Clean Code, Version Control, Documentation

Projects

ClassicFootballShirts • ↗

- Architected and implemented comprehensive ETL pipelines integrating Magento 2 with WMS and Stripe payment systems, automating order data processing and reducing 300+ hours of manual data handling per month.
- Designed data caching strategies and optimized database queries, reducing data retrieval latency by 50% and improving system throughput for high-volume transactions.
- Built real-time data synchronization pipelines for inventory management across 400,000+ SKUs, ensuring data consistency between e-commerce platform and warehouse systems.
- Implemented event tracking data pipelines via Google Tag Manager (GTM), enabling advanced analytics and conversion funnel analysis.
- Developed automated data quality monitoring systems to detect and alert on data anomalies across integrated platforms.

AI-Powered Automation Workflows (Upwork Projects)

- Designed and deployed n8n automation workflows integrated with AI models (OpenAI, Claude) for intelligent document processing, data extraction, and automated content generation.
- Built custom data scraping and transformation pipelines using Python to collect and structure data from various web sources for business intelligence applications.
- Created automated reporting systems that aggregate data from multiple sources and generate insights using Google Looker Studio dashboards.

Languages

Arabic - Native

English - Proficient

Certificates

IBM Data Engineering Professional Certificate (V3)

January 2026 • ↗

AWS Certified Cloud Practitioner from AWS

March 2023 • ↗

Adobe Certified Expert - Adobe Commerce Developer from Adobe

February 2024 • ↗

Hyvä Certified Associate Developer from Hyvä

August 2025 • ↗

Adobe Certified Expert - Adobe Commerce Front-End Developer from Adobe

October 2025 • ↗

Adobe Certified Professional - Adobe Commerce Developer from Adobe

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Adobe Certified Professional - Adobe Commerce Front-End Developer from Adobe

February 2023 • ↗