Abdelrahman Hany Marzouk

Cloud & Data Engineer

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Career Objective

Cloud & Data Engineer with experience in **cloud computing, data engineering, and technical enablement**. Skilled in **Python, SQL, Spark, and cloud platforms (Huawei, Azure, AWS)**. Proven ability to **optimize pipelines, deliver cloud migration projects, and provide technical training**. Strong communication and leadership skills through leading sessions, managing stakeholders, and collaborating with universities and partners.

Education

Microsoft Data Engineering, DEPI
2024/05 – 2024/10
skills dynamix

At Depi, I developed key Microsoft Data Engineer skills in data management, SQL, and data warehousing, with experience in Synapse Studio, SQL and Spark Pools (serverless and dedicated), Azure Functions, and Resource Groups.

Bachelor of Business in Management Information Systems and Computers
2019/09 – 2023/07
Alexandria University

GPA: 3.3/4.0

Professional Experience

Huawei, Developer Technical Service Expert
2025/03 – Present

- Delivered **cloud migration projects**, including migrating from AWS to Huawei Cloud, working with:
  - **AWS**: Cognito, SNS, EventBridge, Elasticsearch, DynamoDB.
  - **Huawei Cloud**: Equivalent services for authentication, messaging, event processing, search, and databases.
- Designed and delivered **training sessions & certification courses** on Huawei Cloud (Tech Essentials, Cloud Migration, Big Data, Cloud Native).
- **Led communication & management** with partners and universities, representing Huawei in technical enablement programs.

Badgewell, Data Engineer
2025/10 – 2025/03

- **Optimized data processing workflows** by integrating APIs, validating data with Pydantic models, and ensuring data integrity and reliability.

- **Developed and deployed scalable data pipelines** using Python, Docker, AWS ECS, and Step Functions to automate data transformation and storage in AWS S3 and OpenSearch.

- **Collaborated with cross-functional teams** to design and implement robust solutions, ensuring seamless integration and efficient data handling.

Projects

Global Amazon Product Data Integration and Analytics 🔗

Developed a data integration and analytics solution by scraping product data from multiple Amazon regions. Used Python (Pandas, NumPy) for data transformation, built a centralized Azure data warehouse, and created ETL pipelines and interactive dashboards for visualization and product comparison.

Azure Web Scraping 🔗

Built an Azure Function-based web scraper using Python to extract data from e-commerce sites. Integrated with Azure Data Lake for storage and automated scaling. Set up GitHub Actions for CI/CD to streamline deployments.

Skills

Technical Skills

Programming & Data
- Python, C, Java, HTML
- Pandas, NumPy, Spark, SQL

Data Engineering & Analytics
- Extract, Transform, Load (ETL), Data Warehousing, Data Modeling
- Azure Synapse Analytics, Databricks, Microsoft Azure

Cloud Platforms
- Huawei Cloud (Tech Essentials, Cloud Migration, Big Data, Cloud Native)
- AWS (S3, Step Functions, ECS, ECR, Cognito, SNS, Elastic Search)
- Azure

DevOps & Tools
- Docker, GitHub, Bitbucket, GitHub Actions, Code Arts

Other Skills
- Web Scraping

Soft Skills
- Leadership & Communication
- Problem Solving & Critical Thinking
- Cross-team Collaboration
- Continuous Learning

Certificates

- ICDL 🔗
- Web Development 🔗
- HCCDP-AI 🔗
- CS50 🔗
- HCCDP-SA 🔗
- Cloud Migration 🔗

Languages

- Arabic
- English