**Basma N. Abdelfattah**

Basma.nasser@gmail.com

787 Future city- El shoruk – Cairo - Egypt

+201100098969 | +201113673331

**LinkedIn:** https://www.linkedin.com/in/basma-abd-elfattah-5331361a

**GitHub**: <https://github.com/basmaNasser>

**PROFESSIONAL SUMMARY**

With over 12 years in telecommunication experience, I’m a conscientious, fast learner offering the ability to assess a project requirement. Proficient with a wide array of scripting languages on different operating systems.

* Have 5 years experience creating dashboards using PoweBI, Tableau and quicksight.
* Have extensive experience of working with the public and meeting new challenges.
* Have 4 years experience in reporting and analytics.
* Highly qualified in Python programming for many different industries.
* Experience in requirement analysis, writing test plan and test cases based on system requirement specifications.
* Proficient working on Unix and Linux with VMware experience.
* Strong Shell Scripting.
* Experience in writing SQL queries.

**SKILLS**

* **Operating Systems:** Solaris 10 installation, networking, configuration.
* **Programming Languages:** Python, Shell scripting, Java, HTML/CSS,JavaScript (beginner).
* **Databases:** Oracle PL/SQL, MongoDB (self-study), apache cassandra, Postgres, Spark SQL, SnowFlake.
* **Software tools:** SOAP UI, Site scope, Pycharm, Microsoft power BI, Tableau, Cognos, VMWare workstation, MS Excel, Word, powerpoint, visual studio.
* **AWS services:** Quicksight, EC2, S3 storage, Athena, Kinesis, AWS Glue, redshift, Jupiter notebook.
* **Other:** R, Git (self-study courses), Latex, Kanban, elastic search(ELK stack), Grafana, Airflow, Jira, SSRS, Talend.
* Good organizational, leadership and communication skills.

**Languages**: English, Arabic

**PROFESSIONAL CREDENTIALS**

* Data Engineer Udacity nanodegree
* AWS Certified Data Analytics - Specialty
* Data Science, a 9-course specialization by Johns Hopkins University on Coursera
* Introduction to kanban.
* Oracle Certified Associate, Oracle Solaris 10 Operating System.
* Oracle Certified Professional, Oracle Solaris 10 System Administrator
* R programming
* UNIX Shell programming course.

**WORK EXPERIENCE**

**Senior Data Engineer**  Apr. 2023 – Present

Atos - Egypt

* Build Dashboards for "National organization for social insurance" using PowerBI.
* Handled Power BI architecture deployments and upgrades.
* Build reports for "National organization for social insurance" on SSRS.
* Writing SQL queries for dashboard model.

**Python Tutor** Jan 2023 – Present

Sprints – Egypt

* Write session plans and prepare materials for all course sessions.
* Assisting students with projects and tasks.
* Working with students to help them understand key concepts.

**Senior Data Scientist (Remotely – part time)** Mar 2023 – Jun 2023

Autobia – Saudi Arabia

* Create solution for ETL pipeline.
* Implemented DWH using AWS Redshift.
* Implemented ETL flow using AWS Glue service to transfer data from RDS to Redshift.
* Rebuilt reports on metabase and DWH.
* Integrate redshift with metabase and reporting tool.

**Data Analyst Tech lead**  Jan 2021 – April 2023

Etisalat Misr – Egypt

* Handled Power BI architecture deployments and upgrades.
* Responsible for technical leading and on job training of new comers.
* Supervise team members to provide robust data analysis platforms to various departments (IT, Business, Operation, Management.
* Validate scripts & database design to ensure accuracy of data, clear documentation and problem resolution to ensure high quality of data.

**Senior Data Analyst**  Jan 2019 – Jan 2021

Etisalat Misr - Egypt

* Developed alarming tool using python script to detect all systems behavior per hour.
* Developed script to monitor and generate all opened and failed SRs from Siebel, SSS , billing and TIBCO databases.
* Write operation guides for the developed scripts and tools.
* Develop different python scripts to validate network issues cases from HLR, Billing and charging systems.
* Solution handover including training and documentation.
* Build analysis models for different charging network using Microsoft power BI.
* Developed dashboards using power BI and tableau including scheduled reports according to business need.
* Writing SQL/Oracle queries.
* Developed logs mining dashboards for various services in Etisalat using ELK stack and Grafana.

**RBT & Smart services senior specialist**  Sep 2015 - Dec 2018

Etisalat Misr - Egypt

* Manage Huawei RBT (RingBack Tone) system, Call signature, AdVoice and promotion platform.
* Follow implementation process of new projects or upgrades.
* Handle communication between commercial and vendors.
* Participate in projects & acceptance testing.
* Develop and update projects on online mediation using Java language.
* Ensures operation by training client personnel; providing support.
* Identify and document RBT system solutions in order to meet business requirement.
* Analyse the data of RBT and call signature systems to check the trend of the revenues and subscribers behavior in the system.
* Create and view different reports using Cognos.
* Write SQL queries to collect data for analysis from different systems databases.

**VAS (value added service) application support**  Sep 2013 - Sep 2015

Huawei - Egypt

* Handling customer requests related to RBT (RingBack Tone) system.
* Supporting Huawei RBT system (IVR, SMS, USSD,..).
* Support the DB software used with Huawei products mainly Oracle Database.
* Accept customer technical problems, Respond & resolve them quickly & effectively.
* If assigned, participate in projects & acceptance testing .
* Create documented processes and procedures for operation and maintenance task.
* Manage the troubleshooting activities.
* Participate in software upgrade or enhancement activities.
* Investigate and resolve fault that occurs in the system and respond to emergency situation within the specified response times.
* Implement and close received Work Orders and Trouble Tickets within the required date and SLAs.
* Perform Operation and Maintenance tasks and routines according to documented procedures and processes.

**Python Developer**  Sep 2012 - Sep 2013

Trendak- Egypt

* Develop and update project code using python language.
* Data gathering from social media like Twitter, Facebook, Instagram, Google+ and Flickr.
* Prepare project related documentation.

**EDUCATION**

**MCIT AWS Practical data scientist Academy scholarship** Sep 2021- Mar. 2022

It includes:

- Intro to data science and all related AWS services.

- AWS database services with practice (DynamoDb, Aurora).

- Practicing and introduction to AWS big data services and tools (Kinesis, Athena, quicksight,..).

- practical use cases on data analytics using EC2, Kinesis firehose, Kinesis agent, quicksight, S3, Athena, Lambda, comprehend, Glue, redshift, ..

**MSC, systems and biomedical engineering**  Oct 2012 - Feb 2018

Cairo university- faculty of engineering • Giza, Egypt

**Master’s thesis  “**Optimizing variant calling performance for Hotspot cases based on Ion Torrent Sequencing  Technology**”.**

**BSC , systems and biomedical engineering**  Sep. 2005 – Jul. 2010

Cairo University , Faculty of Engineering - Giza, Egypt

**Bachelor** **(Grade:** Good**)**

**Grad. project grade**: Excellent

**Graduation Project “**Microarray Experiment Management: an extension of BASE 2 Set**”**

**VOLUNTEER WORK**

**Handcraft trainer**  2016 - Present

NGO-Moontagy • Giza

Train women in different places in Egypt on handcrafts like weaving, crochet, embroidery and other as well as helped them to start their own business.