Moaz Shaker Abdelhamid

Junior Software Engineer

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PROFILE

Self-motivated junior Software Engineer with a strong foundation in web development, intelligent automation (UiPath), and data engineering. Certified in UiPath, with hands-on experience in automating workflows and optimizing processes. Skilled in problem-solving, and collaboration, and eager to contribute to impactful technical projects. Proficient in big data tools, focusing on learning and growing in the field.

INTERNSHIP

Business Analysis & Intelligence Automation (IA) Development Track

May. 2024 – Till Now

- 4-Months Program, Intensive Code Camp (ICC), Intensive Training Program (ITP), Mansoura Branch, Information Technology Institute (ITI), Ministry of Communication (MCTI)

Data Engineering Masterclass

Dec. 2023 – Mar. 2024

- 4-Months Data Engineering Boot Camp, Sprints

Data Engineering Program

Jan. 2023 – Apr. 2024

- Data Engineering Track, Nanodegree Program, Future Work is Digital initiative (FWD), Ministry of Communications and Information Technology (MCIT) powered by Information Technology Industry Development Agency (ITIDA), through Udacity

EDUCATION

Bachelor of General Business Administration (BBA), Zagazig University

Jan. 2018 – Jul. 2021

- Cumulative Grade: Excellent with Honors
- Graduation Project: Market Research for E-Commerce Consumer Behavior in Egypt.
- Graduation Project Grade: A+

PROJECTS

Intelligent Automation Projects (UiPath):

- **ACME Validation Bot:** Automated data extraction and client account validation on the ACME website and desktop app, with updates based on results.
- **IMDb Movie & TV Show Finder Bot:** Developed a bot for extracting and verifying client data via the ACME site and desktop app.
- **RPA Challenge (Form):** Created a bot to download, extract, and populate forms from Excel data.

Data Engineering:

- **COVID-19 Data Pipeline:** Built an automated pipeline for data ingestion and processing using HDFS, Hive, and Oozie, with reports visualized in Power BI.
  Tools: Cloudera HUE, HDFS, Hive, Oozie, Power BI.

Business Analysis:

- **SRS for Online Bidding System:** Developed use cases, data dictionary, state charts, and diagrams for system requirements.

Web Development:

- **Student Form Web Page:** Dynamic form to add and display students using JSON for data storage.
  Tools: HTML, CSS, JavaScript, Node.js.
- **Video Player Web Page:** Video player with a student data table.
  Tools: HTML, CSS, JSON, JavaScript, Node.js.
- **Restaurant Website:** Home page showcasing best-selling products with cart links.
  Tools: HTML, CSS.
- **E-Commerce Amazon Website:** Product page with user login, admin functions, and shopping cart.
  Tools: HTML, CSS, Bootstrap, Angular, TypeScript, Node.js.

COURSE

- Robotic Process Automation Course –MaharaTech, Sep. 2024
- JavaScript Course – MaharaTech, Sep. 2024
- HTML & CSS Course – MaharaTech, Aug. 2024
- Database Fundamentals – MaharaTech, July. 2024
- Power Up Your Productivity with AI Tools – Sprints, Jul. 2024
- Business English Upper Intermediate Module – British Council, Mar. 2024
- Analyzing and Visualizing Data with Microsoft Power BI – Excel Expert, Feb. 2023

CERTIFICATIONS

- UiPath Automation Developer Professional – UiPath, Sep. 2024
- UiPath Automation Developer Associate – UiPath, Sep. 2024
- UiPath Automation Explorer – UiPath, Aug. 2024
- Alx Acie Program – Alx, May. 2024
- McKinsey Forward Program – McKinsey, May. 2024
- Essentials in Data Analysis – Microsoft, Feb. 2024
- Data Engineering Masterclass – Sprints, Apr. 2024

TECHNICAL Skills

Programming Concepts: Object-oriented programming (OOP) principles, data structures, and SOLID principles for writing maintainable, scalable, and efficient code.

Programming Languages: .NET framework, C#, Python, and Scala. Solid understanding of programming paradigms and clean code principles.

Web Development: Experienced in front-end and back-end web development using HTML, CSS, JavaScript, TypeScript, Angular, Node.js, and Express.js. Adept at building dynamic, responsive web applications and RESTful APIs.

Database Management: SQL for database querying, management, and optimization. Familiar with SAP database systems for enterprise resource management and business analytics.

Big Data Tools: Hands-on Apache Hadoop for distributed storage and processing, Apache Spark for large-scale data processing, Spark Streaming for real-time data processing, Apache Kafka for distributed event streaming, and Apache Hive for data warehousing.

Data Warehousing & Analytics: data warehousing, dimensional modeling, building and managing data lakes, and data Lakehouse architecture for scalable data management solutions.

Software Tools & Platforms: Skilled in MS Office Suite, Odoo for enterprise management, and SAP as a user for business processes and analytics.

INTERPERSONAL Skills

- Constantly seek to broaden professional horizons.
- Develops and maintains two-way communications
- Utilize a variety of analytical techniques to solve problems.
- Keep alert to new learning opportunities.
- Excel in developing innovative and creative solutions.

LANGUAGE

- **Arabic**: Native
- **English**: B2

ACHIEVEMENTS And AWARDS

- Ranked on my faculty Batch as 3rd.
- Win Third in the Nile Entrepreneur Competition with Dose App. Project.
- Win Fourth in the Egypt Rally Competition.

Extracurricular Experience

IEEE Egypt Committee Member
Aug. 2020 - Dec. 2021
- Organizing and hosting Tech events featuring.

AISEC Egypt OGV TL Member
Aug. 2019 - Dec. 2021
- Organizing and hosting Global Village events.

Enactus Egypt PR Member
Aug. 2018 - Dec. 2020
- Organizing and hosting events at Egyptian university camps.

INTERESTS

- Reading
- Football
- Traveling

PERSONAL INFORMATION

- Nationality: Egypt
- Birth OF Date: 25/8/1999
- Military Status: Completed as Soldier from May 2022 – June 2023