


# Mahmoud Ahmed Morsy

SOFTWARE ENGINEER & DATA ENGINEER

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## Objective

A Software Engineer with experience in backend developing with Node js, Spring Boot and Data Analyst with SQL server and Power BI, SSIS, SSRS. I'm seeking for a good opportunity to work in Data Engineer and Node js or spring boot in a leading company. I'm eager to learn new features and add more skills. I'm willing to increase my creativity and ideas to the organization I'll be dealing with.

## Education

- **Bachelor of Computers and Informatics:** Information Systems (2018-2022).
- **Suez Canal University** (Ismailia).
- **Grade:** Very Good.
- **Graduation Project:** E-Guide Application.
  - **The project is** provided an easy map that contains all the information about places to guide the travelers to make it easy for them to reach their destination.
  - **Grade of Graduation Project:** Excellent.

## Work Experience

### Data Analyst – Misr Insurance Company

*October 2024 – Present*

- **Data Integration & ETL:** Developed and optimized **ETL workflows** using **SSIS (SQL Server Integration Services)** to integrate data from multiple sources, including **DB2, mainframe systems, and Informix 4GL**, into a centralized **SQL Server Data Warehouse**.
- **Data Warehousing:** Designed and maintained a robust **data warehouse**, enabling efficient storage and retrieval of business-critical data for reporting and analysis.
- **Business Intelligence (BI):** Created and maintained dynamic dashboards and reports using **Power BI** and **SSRS (SQL Server Reporting Services)** to support strategic decision-making.
- **Database Management:** Wrote complex **SQL queries** to extract and analyze data, ensuring high performance and accuracy for large datasets.
- **Application Development:** Designed and implemented RESTful APIs using **Java** and **Spring Boot**, enabling seamless integration between systems and efficient data access.
- **Mainframe Systems Support:** Worked with legacy **mainframe systems**, ensuring compatibility and smooth data flow to modern platforms.
- **Collaboration:** Partnered with cross-functional teams to gather business requirements and deliver tailored data solutions, enhancing operational efficiency and decision-making processes.

## Trainings & Courses

- **MEAN Stack Developer Track "ITI Teach-Leaps"** (August 2022 – October 2022).
- **Graduation Project Mentorship Program** (November 2021 – May 2022).
- **Frontend with ITI** (HTML, CSS, JS, JQuery, Responsive Design, Bootstrap).
- **Data analysis with ITI** (SQL, SQL Server, Power BI, Data Mining, BI, DW).
- **Node.js The Complete Guide to Build RESTful API course- Prof. Mosh Hamedani.**

## Technical skills

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- **Programming Languages:** C, C++, Java, JavaScript, Python, SQL, Informix 4GL.
- **Framework:** Spring Boot, Node JS, Express JS.
- **Database:** SQL Server, DB2, Mongo DB, Power BI.
- **Embedded Skills:**
  - Database Management, SQL programming, Power BI, Data Warehouse.
  - APIs.
  - Frontend developing with HTML, CSS, JS, JQuery, Responsive Design, Bootstrap and background about Angular Js.
  - Version control with Git and GitHub and Heroku.
  - Data Structure and Algorithms.
  - Worked with back-end developers to design APIs.
  - Used spring boot and node js and SQL/No-SQL to develop and manage database.
  - Working with many of tools like VS code, Mongo compass, Postman, SSMS, SQL, SSIS, SSRS, Power BI.

## Personal skills

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- **Project management.**
- **Team Leader.**
- **Strong problem solving and root cause analysis skills.**
- **Communication skills.**
- **Team work.**

## Language Skills

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**Arabic:** Mother Tongue

**English:** Level B2