ABDELRAHMAN MOHAMMED

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EDUCATION

German University In Cairo   Cairo, Egypt
Bachelor of Engineering in Computer Science and Engineering   October 2021 - (July 2026)

EMPLOYMENT

Astronomic   Remote
Junior Software Engineer   May 2024 - Present

- Developed Node.Js Typescript pipelines that fed millions of records of raw investor and company data into a MongoDB database.

- Applied AGILE methodologies, utilizing the Atlassian tech suite, using products like Jira, Confluence and Bitbucket.

Trax Group   Cairo, Egypt
Software Engineering Intern   July 2023 - September 2023

- Developed and designed a comprehensive Dynamics 365 FinOps system Using X++.

- Customized Dynamics 365 FinOps menus for improved user workflows, with role-based permissions.

BestIxCom Kft.   Remote
Freelance Software Engineer   December 2022 - December 2023

- Designed PostgreSQL database schemas to store company data in a structured manner.

- Calculated and stored each company's Key Risk Indicators data on multiple database layers.

- Documented all code and database designs for easy reference and maintenance using SqlDBM and GitHub as a VCS host and Airflow to run the pipeline.

Summits International School   Cairo, Egypt
Computer Science Teacher Assistant   July 2020 - Present

- Managed a team of assistants and graders, ensuring timely completion of tasks and high-quality work.

- Developed Python scripts and utilities that generated grading reports, automatically filled Google Sheet templates I have developed, and calculated performance-based salaries for graders, saving hundreds of work hours each session. (Used tools such as GCP, Classroom & Sheets API)

ACTIVITIES

The Intelligent Question (TIQ)   Cairo, Egypt
President   September 2023 - June 2024

- Held interviews, selected board members, applying SWOT analysis.

- Maintained relationships with sponsors, partners, Student activities office and Academic Advisor.

- Adjudicated and officiated debates held in the British Parliamentary Style and then provided constructive feedback to debaters to enhance their skills.

TECHNICAL SKILLS

Programming Languages:	Python, Javascript, Typescript, Java, SQL, VBA, C#, C, X++
Frameworks and Libraries:	React.js, Express.js, Node.js, Dynamics 365 F&O, .NET
Tools:	Git, Linux, VMWare, GCP, Gitkraken, Jetbrains Suite
Databases:	PostgreSQL, MongoDB, MySQL

PROJECTS

DBMS   https://github.com/Semester-6-Projects/DB2-Project1
Implemented a DBMS in Java, implementing BPT indexing, as well as data pagination.
IGCSE CS PseudoCode Transpiler   github.com/Sherlemious/IGCSE-CS-PC-Transpiler
A Python compiler for the PseudoCode syntax provided by the IGCSE CS syllabus

AWARDS

Great Debate Finalist   The Intelligent Question (TIQ)
Debated in the Great Debate (final) in the Debate Competition held by TIQ Club.   May 2023