Ashraf Ayman Abdulmageed

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PROFESSIONAL SUMMARY

I am a GIS Developer with 3 years of expertise in GIS technologies (focus on ESRI products), web development and GIS Integration, with a strong commitment to GIS development industry. Proven proficiency in ArcGIS API for JavaScript, Python scripting, GeoServer, GIS capabilities such Spatial Analysis and data collection. My goal is to excel as a GIS Developer and collaborate on exciting projects.

WORK EXPERIENCE

GIS Developer,
Gulf Terminal, Mansoura, Egypt   **May 2023 - Present**

- Created esri-Library (APIs) based on ArcGIS Maps SDK for JavaScript for building GIS web apps and spatial analysis applications for 2D and 3D visualization.
- Designs, develops, and maintains software using ESRI software suite as well as programming tools.
- Developed programming specifications for assigned tasks.
- Gained possess strong knowledge of database concepts and RDBMS like Microsoft SQL Server, PostgreSQL, etc.
- Performs database design modifications.
- Tests system and confers with Project Managers to assure satisfaction.
- Created program source code; performs standardized validation tests; and debugs code when issues are identified.

GIS Developer,
Edge Pro for Information Systems, Cairo, Egypt   **Jun 2022 - Feb 2023**

- Developed and implemented customized client requirements and created GIS demos for clients.
- Familiar with ArcGIS API for JavaScript, Esri Technologies, JavaScript, Python and SQL.
- Participated in a GIS and RS project to be presented at COP 27, Sharm Elsheikh 2022.
- Familiar with ArcSDE, RDBMS, ArcGIS Sever, SQL Server, PostgreSQL.
- Familiar with Hexagon Technologies, ERDAS Imagine.
- Cooperate and communicate with relevant external bodies.
- Work closely with other developers and architects.

GIS Specialist,
Edge Pro for Information Systems, Cairo, Egypt   **Apr 2022 - Jun 2022**

- Compiled geographic data from a variety of sources including censuses, field observation, satellite imagery, aerial photographs, and existing maps.
- I analyzed spatial data for geographic statistics to incorporate into documents and reports.
- To define data needs, project requirements, required outputs, or to develop applications.

- o Gather, analyze, and integrate spatial data from staff and determine how best the information can be displayed using GIS.
- o Design and update database, applying additional knowledge of spatial feature representations.

SKILLS

- o **GIS Software / Development:**
  - o ArcGIS API for JS
  - o ArcGIS Enterprise (Server, Portal, Online)
  - o ArcGIS Pro
  - o M.App Enterprise
  - o GeoServer
  - o QGIS
  - o Leaflet
  - o PostgreSQL
  - o Open Layers
  - o PostGIS
  - o Mapbox
- o **Programming:**
  - o Python
  - o JavaScript (Intermediate, focus on ArcGIS API for JS)
  - o JavaScript Runtime Environment
  - o TypeScript (Beginner)
  - o Angular (Beginner)
  - o C# (Beginner)
  - o OOP
  - o Git and GitHub
  - o ASP.NET Core
  - o MS SQL Server
  - o SQL (Beginner)
  - o HTML/CSS
- o **Remote Sensing Software:**
  - o ERDAS Imagine
  - o ENVI
  - o Knowledge of LIDAR data processing and feature extraction

EDUCATION

5 Months Intensive Training Program of GIS and Web Development
Information Technology Institute (ITI), Smart Village, Egypt, 2022
- o Final Project: "Business Solutions Web App," co-authored with Ahmed Ashraf, Ahmed Mesbah, and Shady Mamdouh. Created web application for analyze spatial data with time series analysis, to achieve business owner's criteria with innovative GIS-based solutions using ArcGIS Enterprise (Online-Portal-Server), ESRI APIs and Web Development technologies.

Bachelor of Arts, Department of Surveying, Remote Sensing & GIS
Mansoura University, 2021
- o Graduation Project: "Simulation Model of the Faculty of Arts," using ArcGIS Pro, Excellent Grade
- o GPA: 3.7
- o Rank 2 on my faculty batch

Evening Digital Egypt Youth Program, Front-End Web Development track
National Telecommunication Institute (NTI), 2023
- o **Top skills learned:** Bootstrap, jQuery and JavaScript.

ACADEMIC HONORS

Bachelor's degree in GIS and Remote Sensing Honours from Mansoura University, 2021.

EVENTS

I attended Esri Saudi Arabia User Conference Day (23 Jan 2024).

LANGUAGE SKILLS

Arabic: Native Language
English: Very Good

PERSONAL INFORMATION

Birthdate: April. 1st, 1999
Military Status: Exempted
Current Address: Mansoura, Ad Dakahlia, Egypt

Thank you for your time.

I would love to hear from you if you are at all further interested in my work.

References available upon request.