

# Walaa Gamal Kamal Hassan

Head of Software Development & Senior Full Stack Engineer

01064627378 / 01098756240

walaagamal690@gmail.com

## PROFESSIONAL SUMMARY

Highly accomplished Software Engineer and Team Leader with 9+ years of experience in Full Stack Web Development (both .NET and Open Source environments). Possesses a unique specialization in Geographic Information Systems (GIS) and Spatial Data Infrastructure (SDI). Currently serving as Head of Software Development Department, specializing in leading teams, designing, and implementing large-scale governmental web projects that support e-governance and decision-making processes. Dedicated to leveraging strong technical and leadership skills to drive organizational growth.

## CORE TECHNICAL SKILLS

Category	Skills and Technologies
Backend Development	C#, ASP.NET, ASP.NET MVC, ASP.NET CORE, Entity Framework, ADO.NET, PHP, Laravel.
Frontend Development	HTML5, CSS3, JavaScript, JQuery, Bootstrap, WordPress.
Databases & SDI	SQL Server, MySQL, Database Fundamentals, Spatial Data Infrastructure (SDI).
Other	Linux, Software Testing (Manual), ICDL.

## SOFT SKILLS

- Teamwork Spirit and Cooperation.
- Hard Worker Under Pressure.
- Excellent Communication Skills.
- Self-Motivation.
- Problem-Solving Ability.
- Self-Planning and Time Management.

# **WORK EXPERIENCE & KEY ACHIEVEMENTS**

## **1- Head of Software Development Department**

**Minya Advanced Geospatial Intelligence Complex, Minya Governorate General Office  
(Date Range Required) – Present**

- Led the development team and oversaw the complete Software Development Lifecycle (SDLC) for critical governmental systems within the complex.
- Designed and implemented seven vital Web Platforms and GIS systems that supported the governorate's digital transformation, automating administrative operations, and significantly improving decision-making efficiency.
- Spearheaded the launch of specialized State Resource Management Systems, including:
  - Developed a comprehensive Web System and Dashboard for the State Land Regularization (تقنين أراضي أملاك الدولة) project.
  - Created a specialized web system for Agricultural Holdings Inventory (الحصص الحياتية الزراعية) to ensure data accuracy.
  - Implemented an E-Archiving system with a supervisory dashboard (Web Asset & Dashboard).
  - Developed focused websites for Utilities Services (خدمات المرافق) and State Property (أملاك الدولة).
- Executed precise technical systems such as the web system for Land Surveying (الرفع الماسي) and the Building Level (منسوب المبني) platform, vital for urban planning.
- Instructed personnel on emerging technologies by delivering an IoT (Internet of Things) course at Minya Advanced Geospatial Intelligence Complex.
- Managed the technical and administrative follow-up for the Mobile Network License project across the governorate.

## **2- Spatial Data Infrastructure Engineer Minya Governorate General Office**

- Specialized in the design and implementation of Spatial Data Infrastructure (SDI) solutions to integrate geographic data into governmental decision-making processes.

### **3- Full Stack Web Development Instructor**

- 1) YAT Learning Centers .**
- 2) Smart Academy .**
- 3) Elabda Academy .**
- 4) ITI (Information Technology Institute) .**

- Provided extensive training in Full Stack Web Development, covering both Open Source (HTML, PHP, WordPress) and .NET stacks (C#, ASP.NET MVC, Entity Framework).

### **4- Web Developer & Software Tester**

- 1) Isit Company (Remotely, Saudi Arabia) .**
- 2) Winter26 Design Studio (Remotely, Cairo).**
- 3) Share Edu Company .**

- Contributed to remote web development projects utilizing Laravel and WordPress frameworks.
  - Performed Manual Software Testing for quality assurance within a professional setting.
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## **EDUCATION**

- Bachelor of Computers and Information (Information Systems)
    - Minia University, Faculty of Computers and Information.
    - Overall Grade: Very Good (80%).
    - Project Grade: Excellent.
    - Graduation Year: 2017.
  - 3-Month Program of Open Source ITI Web Development Track: 2018.
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## **CERTIFICATIONS & TRAINING**

- ITI Diploma (Web Development Open Source) : Included Communication & presentation skills , PHP , WordPress , MySQL , and Linux.
- ASP.NET MVC and Entity Framework training.
- Laravel framework and WordPress training.
- C# summer training course and ASP.NET.
- MIS Windows/Web.Net Development.
- Software Testing Training.
- TOT Course , English Diploma , IT Essentials.