

Abdelfattah Mohamed

Software Engineer

6 of October City, Giza, Egypt

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[Personal Website](#) | [Linked-In](#) | [GitHub](#)

OVERVIEW

I am a highly skilled software developer with a strong foundation in software development, including expertise in frameworks such as Django, Odoo, React, React Native. Additionally, I have extensive experience in building APIs to enhance functionality and streamline data exchange in multiple projects. My technical proficiency encompasses object-oriented programming, data structures, algorithms, and design patterns, enabling me to design and implement efficient and maintainable software solutions.

I am well-versed in Git version control, having successfully managed code repositories in various collaborative environments, ensuring efficient code management and seamless team collaboration. I also have a proven track record of setting up and maintaining hosting servers to ensure seamless deployment and performance.

With a passion for clean and scalable code, I consistently contribute to the success of projects by delivering high-quality code and solutions that meet both technical and business requirements.

One of my key strengths is my ability to quickly pick up new technologies and embrace change. I have a genuine passion for continuous learning in the ever-evolving tech field.

EDUCATION

Bachelor's degree in Computer Science,
MSA university.

Giza, EG
2022

BSc Honours in Computer Science,
Greenwich University.
Obtained as part of the program at MSA University.

WORK EXPERIENCE

Software Developer at
AP Business Services. (apbusiness.us)

New Jersey, USA
(Remotely)

Achievements:

Mar 2017 – Current

- Developed and maintained a robust Django Wagtail application, providing a user-friendly content management system with advanced features.
- Customized and configured an Odoo CRM system to meet the specific requirements of clients, including the development of custom modules to enhance functionality and streamline business processes.
- Created a cross-platform mobile application using React Native, offering seamless user experiences across iOS and Android devices.
- Designed and implemented APIs to ensure the seamless integration of Django Wagtail, Odoo CRM, and React Native, facilitating efficient data exchange and communication between applications.
- Worked on database management, including SQL and NoSQL databases, to maintain data integrity and security.
- Utilized Git version control for organized code management and collaborative development within the team, while also setting up and maintaining hosting servers on cloud platforms such as AWS, NameCheap, or similar services.
- Collaborated closely with cross-functional teams to gather project requirements, ensure alignment with business goals, and implement solutions that met the needs of our clients.

KEY PROJECTS

- **Odoo Customized Job Application** Oct 2023
 - Form View Application: Created a custom Form View Application in Odoo for structured data entry.
 - Role-based Permissions: Configured role-based access control for data security.
 - Data Validation: Implemented data validation for accuracy and integrity.
 - Custom Reporting: Developed customized reports in Odoo.
 - Multilingual Support (i18n): Enabled translation and localization for global adaptability.
 - Centralized Data Management: Established centralized data storage and retrieval.
 - Role-Based Data Visibility: Managed data visibility based on admin roles.
- **Web application & podcast blog using Django** Nov 2023
 - Django Wagtail Application: Developed a Django Wagtail application by integrating HTML, CSS, and JavaScript templates into the Django framework.
 - Dynamic Content Management: Implemented a user-friendly web interface that allows website administrators to modify and manage website content with ease, including text, images, and multimedia elements.
 - Contact Form Management: Added a new section in the admin panel for administrators to view and manage client-submitted forms, enhancing communication and interaction with website visitors.
 - API Integration: Created an API to provide seamless access to website data and user information, enabling data sharing and integration with external services.
 - User Authentication and Login: Implemented user authentication and login functionality, allowing users to access personalized features, and administrators to manage user accounts and permissions.
 - Podcast Blog: Developed a podcast blog feature, enabling administrators to upload podcast episodes and associated details, with automatic generation of blog posts and RSS feeds on the website.

SKILLS

- **Programming Languages:**
 - **Advanced:** Python, Javascript ;
 - **Very good:** C++ ;
 - **Good:** PHP, C# ;
- **Markup Languages:** XML, HTML
- **Frameworks:** Django, Flask, Odoo, React, React Native, WordPress
- **Tools and Technologies:** AWS, Docker, Git, Linux, Kubernetes, Apache, Nginx, RESTful APIs, MySQL, PostgreSQL, MongoDB, vscode, PyCharm, phpstorm, Visual Studio, Post Man

Languages: Conversational Proficiency in English; Native Arabic.

TRAINING & CERTIFICATIONS

- [IBM Data Science Specialization](#)

In this Professional Certificate, I developed and honed hands on skills in Data Science and Machine Learning

- [IBM Applied Data Science Specialization](#)

In this specialization I developed and honed skills for practical data science and machine learning problems.

- [BCG Virtual Experience Program \(2020\)](#) - (6.5 hours)

Participated in the open access BCG Virtual Experience Program with Forage.

[Modules Completed:](#)

- Exploratory Data Analysis
- Feature Engineering
- Modeling & Evaluation
- Findings & Recommendations)