Abdelfattah Mohamed
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OVERVIEW

I am an experienced software engineer with several production-ready projects for businesses in the USA. My expertise includes frameworks such as Odoo, Django, React, and React Native, complemented by extensive experience in building REST, RESTful, and GraphQL APIs, along with strong proficiency in object-oriented programming, data structures, algorithms, and design patterns.

With a passion for clean, scalable code, I consistently contribute to project success by delivering high-quality solutions that align with both technical and business requirements.

EDUCATION

Bachelor's degree in Computer Science,   Giza, EG
MSA university.   2022

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

WORK EXPERIENCE

Software Developer at: New Jersey, USA

AP Business Services. (apbusiness.us)   (Remotely)

Achievements: Mar 2022 - Current

- Developing Odoo custom modules to meet the specific requirements of the clients.
- Developed and maintained a robust Django Wagtail application, providing a user-friendly content management system with advanced features.
- Developing 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

- **[Custom Odoo Web Applocation For 1ˢᵗ AmeriCare (https://1st-americare.com/)](https://1st-americare.com/)**   Oct 2023
  - Developed a comprehensive web application using the Odoo Website module, integrating an external HTML, CSS, and JavaScript theme into Odoo's XML structure.
  - Created a custom Job Applications module, facilitating a multi-step application process that includes initial submissions, HR notifications, and a second application with encrypted token access for approved candidates.
  - Implemented automated document conversion for uploaded files (DOCX, JPG, PNG) into PDFs for easy viewing and downloading.
  - Developed a feature for users to upload files and generate publicly shareable links.
  - Enabled the creation of custom database fields via a dynamic form, ensuring unique field attributes through backend validation.
  - Configured and implemented Odoo's Email Marketing and Live Chat modules to enhance client engagement.
  - Successfully deployed the application to the server and managed Nginx configurations for optimal performance.
  - **Technologies Used:** Python, XML, HTML, CSS, JavaScript, REST APIs, Token-Based Authentication, PostgreSQL, Hostinger, Git, Gitlab, Nginx.

- **[Web application & podcast blog using Django (https://apbusiness.us/)](https://apbusiness.us/)**   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.
  - **Technologies Used:** Python, Django, Django Wagtail, HTML, CSS, JavaScript, REST API, RSS Feeds, MongoDB, AWS, Git, Gitlab, Nginx.

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)