
NOURHAN RAMADAN HAMADA HAMDA

3 Mahmoud Farghaly Street, San Stefano, Alexandria • +201004726197 • eng.nhamda@yahoo.com

[in linkedin.com/in/eng-hamda](https://www.linkedin.com/in/eng-hamda)

Software Engineer

Work experience

2023 / 05 - 2024 / 02

Software Engineer

TheChefz - Louran, Alexandria

Projects:

- Chatting Website, Web Application - *Learning project (Yii2)*
 - implemented user registration, listing, and selection features using **MySQL** database.
 - used **Node.js** and **Socket.IO** to create real-time chat rooms with infinite scroll, message deletion using **TTL index** on **MongoDB**, and **PHP** integration.
 - utilized **Redis queue, cache**, and **pub/sub** for logging, caching, and messaging purposes.
 - integrated **PHP** with **Socket.IO** for message emission.
- Delivery System, Web Application (**Yii2, AngularJS, Socket.IO, Redis**)
 - implemented **reCAPTCHA** in login page.
 - added a search section to the teams list page that allows users to search by cities or priorities. Users can enter multiple values for each field to refine their search results.
- Apollo Integration Service - POS and SaaS Integration (**Lumen, MongoDB**)
 - led the integration with Point of Sale (POS) systems like **FOODICS**, and with SaaS companies (food delivery management software) like **DELIVERECT** and **Otter** ensuring seamless data synchronization for menu, orders, and branches.
 - directly integrated with brands (restaurants) such as **KUDU** without relying on third-party intermediaries.
 - conducted in-depth research to understand integration protocols, data syncing processes, and API interactions.
 - produced comprehensive documentation outlining integration procedures, data synchronization methods, and troubleshooting guides.
- Portal Project - Main System/Dashboard System (**Yii2, MySQL**)
 - developed and maintained the main system/dashboard system for TheChefz portal, serving as the central hub for all order, menu, and branch data.
 - established and optimized bidirectional data syncing processes, ensuring real-time updates for menus, orders, and branches.
 - played a key role in designing and implementing queue systems for enhanced performance and reliability.
 - collaborated closely with cross-functional teams to ensure the smooth execution of the project, aligning the portal's functionality with integrated systems.

2023 / 01 - 2023 / 05

Software Engineer- Internship

Bibliotheca Alexandrina - El Shatby, Alexandria

Projects:

- Customer – Dealer – Product Management Solution (**ASP .NET, Microsoft SQL Server**)
 - Description:
 - a full stack web-based solution for managing the relation between customers, dealers and products where the dealer can keep track of his customers and the history of the products sold to them, including products that need maintenance with their maintenance history. The project involved database design and modelling using **SQL server**, implementing data-access and business logic layer using **.NET C#**, designing and implementing frontend forms using **ASP.NET** technology.

2019 / 02 - 2021 / 07

Software Engineer

Rushbrush - 696 El Horreya Road, Loran, Alexandria

Projects:

- E-commerce System *Rushbrush / Hapilin* (**Magento, JQuery, amCharts, ECharts**)
 - upgraded **Magento 1.9** to **Magento 2.3**
 - integrated with **Bosta, Mylerz** for shipping providers and **Payfort, NBE, Paymob, Fawry, Premium Card** for payment gateways.
 - integrated with **Tinypng** API for image optimization.
 - created modules for custom API (*mobile application API*), drag&drop HTML page builder, agent reward system, dashboard, reports (*bundle report - all in one report - campaigns report*).
 - created modules for improve performance like **Aramex** auto-tracking and dynamic shipment, and sales grids limited access.
- Ticketing System, Web Application (**Laravel, JQuery, Ajax, Datatable**)
 - integrated with **Facebook** using webhook to send and receive messages (*Text, Image, Video*).
 - used **Elastic Search**.

- used dynamic workflow (*Event - Listener*)

2017 / 07 - 2019 / 01

Junior Software Engineer

Ibiidi Ltd - Windsor- United Kingdom (Remote)

Projects:

- Order Management System, Web Application (**Zend, JQuery, Ajax, Datatable**)
 - integrated with eBay API.
 - added catalogue module.
 - improved UI usability.
 - tested order cycle.
- Catalogue System, Web Application (**Laravel** [Task Scheduling], **XML, JQuery**)
 - testing parsing suppliers' data
 - the product covers module (adding product covers to catalogue)
- Amazon Marketplace Web Service, Web Application (**Laravel** [Task Scheduling, Queue, Event, Passport Authentication], **JQuery**)
 - integrated with Amazon web service API.
 - using KMEAN clustering to calculate the recommended price for products.
 - implemented email alarms and used Passport authentication.
- Virtual Stock System, Web Application (**Laravel**)
 - implemented eBay listing feature.
- Ibiidi.com, website (**Phalcon**)
 - integrated with free currency converter API and Stripe API.
 - fixed issues and tested the website.

Education

2015 - 2016

Diploma

Information Technology Institute (ITI)

9-Month Professional Diploma Open-Source Specialization

2009 - 2014

Bachelor of Science in Electronic & Communication Engineering

Faculty of Engineering, Alexandria University, Alexandria.

Overall Grade: **Good**

Graduation Project

Home Monitor by using ARDUINO board.

Technologies used

- **Hardware** (Sensors, RF Wireless Transmitter and Receiver Module & ARDUINO board).
- **MATLAB** (Data Processing, GUI).

Project Grade is **Distinction**.

Skills

Technical

- Object Oriented Programming using C++, PHP
- PHP Programming , Web Frameworks: Zend , Laravel [Self-Learning]
- MySQL Database
- JavaScript (JQuery), HTML5 & CSS, Bootstrap
- Version Control Systems (SVN, GIT)
- Agile Software Development Methodologies

Personal

- Time Management
- Working in team
- Problem solving
- Self-learner

Basic Knowledge

- Python Programming, Web Framework: Django
- Ruby Programming, Web Framework: Rails
- Purl Programming, Bash Shell Scripting
- WordPress CMS
- MongoDB Database
- Angular (self-learning)
- GraphQL (self-learning)
- Docker (self-learning)

Languages

- English (Good)

References

Available on Request