

Ahmed Kamal *software Engineer*

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Executive Summary

Software engineer (back-end developer) with extensive experience in Node.js, Laravel, PHP Native, OOP, Python, and Design Patterns. I have worked on numerous important projects, some of which are showcased here.

Achievements

Full-Stack Developer Using PHP | Laravel, WebSTDY

07/2024 – present | egypt, Giza

- Grasp the basics of the Laravel framework, including its MVC architecture.
- Create, read, update, and delete (CRUD) operations.
- Use Eloquent ORM for database interactions.
- Design and manage database schema using Laravel migrations.
- Implement middleware for request filtering.

Education

Trainee in a 9-month Open-Source Training Program at the Information Technology Institute (ITI).

10/2023 – 06/2024

Faculty of Computers and Information, Assiut University

2021 | Assuit, Egypt

Skills

SOLID principles | Design Pattern |
Data structure | php | Laravel | c++ |
java | OOP | Transact sql | MySql |
BootStrap | Css3 | Html5 | C |
RedHat linux | BashScript | NodeJs |
ExpressJs | MongoDB | WebSocket |
problem solving | Odoo | ORM |
Postgre Sql | Python | Django |
Vue.Js | ReactJs | JavaScript |
Django REST framework

Achievement

Fifth place in ICPC Assiut Community Newcomers Camp in problem solving using C++.

Trainee in ICPC Assiut University (Competitive programming using C++)

Projects

RESTA (Full Stack APIs Laravel & React) : Production Freelance

05/2024 – present

Position: Backend Developer

Tools: Laravel RESTAPIs & MySQL & Postman & GIT & JIRA & Agile

Features:

- QR code on tables for menu access, search/filter by categories, recommended addons/extras, add to cart, checkout, registration, login, and password management.
- Email verification to prevent fake accounts, JWT for authentication/authorization, and integration with MyFatoorah for online payments.
- Show offers, dashboard for restaurant management, CRUD operations for meals, addons, extras, and offers.
- CRUD for managing customers, employees, and administrators, and generate sales, items, and credit balance reports.

E-commerce Rest Framework

- JWT authentication, pagination, search, filtering, and Product CRUD operations.
- Sign up, Sign in, Forget Password, Update User, Get User Information, and Make a Profile for the User.

Saraha App with Node.js

- Node.js & Express.js, MongoDB, Postman as client-side, APIs
- Authentication JWT-Token, middleware, JOI for input validations, sending messages, and viewing all messages for a user.
- Multer for uploading images, handling exception errors, and sending emails using Nodemailer.

eCommerce APIs with Node.js & Express.js

- Node.js & Express.js, MongoDB, Postman as a client-side tool, APIs, login, signup, forget password.
- Authentication JWT-Token, middleware, JOI for validations, send mail for verification & forget password input.
- Multer for uploading images for category, and handling exception errors.

iChat: Real-time Chat Application(Nodejs,Socket.io)

- iChat: Real-time chat powered by Node.js and Socket.IO, offering instant messaging, group chats, and secure data transfer.
- Enhances global connectivity for fluid interaction and meaningful connections, revolutionizing communication.

BankQueueManager

- Created BankQueueManager in C++ for efficient bank management, prioritizing customer queues and optimizing service.
- Utilized priority queues to manage customer arrival and service times, offering insights into efficiency and wait times.
- Incorporated object-oriented principles for modularity, tracking teller utilization, calculating average waiting times, and providing customer service statistics.