# Mohammed Abdulsalam

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## BACK END DEVELOPER

I am a highly skilled back-end devleoper with over **1 year of experience** in **PHP, MySQL**. I have knowledge of popular frameworks such as **Laravel**. I worked on several projects using native **PHP** and **MySQL/MariaDB**, and have experience designing REST APIs.

## TECHNICAL SKILLS

| | | |
|---|---|---|
| **Languages** | : | PHP, SQL, Javascript, TeX |
| **Frameworks** | : | Laravel |
| **Libraries** | : | PHPUnit, PHP Spread Sheet, ECDSA |
| **Databases** | : | MySQL, MariaDB, SQLlite |
| **Concepts** | : | OOP, MVC, Regular Expressions, Accessibility (WCAG), REST, ERD Design, SRS Design |
| **Dev Tools** | : | Vim, Visual Studio Code, XDebug, Vite, Git, Github, Apache HTTP Server, Linux, cron, Docker, Insomnia |

## EXPERIENCE

**Back End Developer**                                                      Feb 2022 – Present
Freelance

- Desing and development of back-ends using **PHP, MYSQL/MariaDB**
- Worked on REST APIs for medium-sized systems
- Analysis of stakeholders reuirements, and design **ERD**, **SRS**, and various documents
- Deployed and maintained websites on **AWS EC2** linux server

**Vice Head of Web Development Committee**                        Sep 2022 – Apr 2023
*GDSC KSU*                                        *Remote – Kafrelsheikh, Kafrelsheikh, Egypt*

- Share knowledge and experience with my fellow members
- Make sure the plan is suitable for members
- Demonstrated critical topics in core **Front End** technologies, including **SEO**, and **Accessibility**, through number of sessions

## EDUCATION

**University of Kafrelsheikh – Faculty of Computers and Information**        Kafrelsheikh, Kafrelsheikh, Egypt
*Bachelor of Science in Computer Science*                                      *Sep 2020 – Jul 2024*
GPA: 3.25/4

## PROJECTS

**Bookopia**                          *PHP, Laravel, MVC, SCSS*                          Source Code

- A library management system written in **PHP / Laravel**. Build with **MVC** architectural pattern
- Designed and developed a clean and modern website using **HTML, and SCSS**
- Utilized **Laravel Components** to enhance the modularity of the frontend
- Extended **Blade** funcionality by writing customized **Directives**, that help us write less code

**Salem Clinic Website**                *PHP, MySQL, Javascript, Git*                          Private

- Designed and developed dynamic monolith website using **PHP, HTML, CSS, and JavaScript**
- Worked on admin panel providing article management, content management, and admins priviliges
- Developed Markup to HTML library using **PHP, and Javascript**, utilized in articles creation, editing, and viewing
- Deployed using **Apache** server on **AWS EC2** instance, with domain name and **HTTPS** certificate configured
- Used a **cronjob** to backup data periodically

**Simple API Framework**                         *PHP*                         <u>Source Code</u>

- Developed various utilities to facilitate **RESTful APIs** developing
- Implemented my own **Router, and JWT** utilities

**Clinic Management System / ERP System**        *PHP, MariaDB, Socket.IO*        Private

- A **CRUD application** exposed using a RESTful API made with PHP
- Analysed stakeholders requirements, deigned **ERD** based on this analysis
- Used **XDebug** to facilitate debugging process, and **PHPUnit** to automate unit testing
- Worked on many features that support bussiness logic, includes live queues, activity log, authorization rules and priviliges, payroll system, patient management system, etc…
- Used **Socket.IO** under **Node.js** to build socket server to maintain live queues data between clients

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