

# Mohammed Abdulsalam

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## BACK END DEVELOPER

I am a highly skilled back-end developer with over **2 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

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

## EXPERIENCE

<b>Back End Developer</b> Freelance	Feb 2022 – Present
<ul style="list-style-type: none"><li>Design and development of back-ends using <b>PHP, MySQL/MariaDB</b></li><li>Worked on REST APIs for medium-sized systems</li><li>Analysis of stakeholders requirements, and design <b>ERD, SRS</b>, and various documents</li><li>Deployed and maintained websites on <b>AWS EC2</b> linux server</li></ul>	
<b>Vice Head of Web Development Committee</b> GDSC KSU	Sep 2022 – Apr 2023 <i>Remote – Kafrelsheikh, Kafrelsheikh, Egypt</i>
<ul style="list-style-type: none"><li>Share knowledge and experience with my fellow members</li><li>Make sure the plan is suitable for members</li><li>Demonstrated critical topics in core <b>Front End</b> technologies, including <b>SEO</b>, and <b>Accessibility</b>, through number of sessions</li></ul>	

## EDUCATION

<b>University of Kafrelsheikh – Faculty of Computers and Information</b> <i>Bachelor of Science in Computer Science</i> GPA: 3.25/4	Kafrelsheikh, Kafrelsheikh, Egypt <i>Sep 2020 – Jul 2024</i>
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## PROJECTS

<b>Bookopia</b>	<i>PHP, Laravel, MVC, SCSS</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>A library management system written in <b>PHP / Laravel</b>. Build with <b>MVC</b> architectural pattern</li><li>Designed and developed a clean and modern website using <b>HTML, and SCSS</b></li><li>Utilized <b>Laravel Components</b> to enhance the modularity of the frontend</li><li>Extended <b>Blade</b> functionality by writing customized <b>Directives</b>, that help us write less code</li></ul>		
<b>Salem Clinic Website</b>	<i>PHP, MySQL, Javascript, Git</i>	Private
<ul style="list-style-type: none"><li>Designed and developed dynamic monolith website using <b>PHP, HTML, CSS, and JavaScript</b></li><li>Worked on admin panel providing article management, content management, and admins privileges</li><li>Developed Markup to HTML library using <b>PHP, and Javascript</b>, utilized in articles creation, editing, and viewing</li><li>Deployed using <b>Apache</b> server on <b>AWS EC2</b> instance, with domain name and <b>HTTPS</b> certificate configured</li><li>Used a <b>cronjob</b> to backup data periodically</li></ul>		

## Simple API Framework

PHP

[Source Code](#)

- 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 privileges, payroll system, patient management system, etc...
- Used **Socket.IO** under **Node.js** to build socket server to maintain live queues data between clients