

Ahmed Tarek Abdel Raouf

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Full Stack Software Engineer with 4+ years of professional experience delivering scalable applications across healthcare, legal, e-commerce, and CRM/ERP domains. Specialized in PHP (Laravel, CodeIgniter 4) and JavaScript (React.js, Next.js) with strong expertise in MySQL and PostgreSQL. Skilled in designing APIs, optimizing databases, and deploying applications on Azure, DigitalOcean, and Vercel using CI/CD pipelines. Key achievements include building a Legal Aid Platform that streamlined case workflows and reduced handling time by 40% while serving over 100 daily users, and developing a CRM system that automated client management, cutting manual data entry by 50% and boosting engagement efficiency by 35%. Certified in PHP, JavaScript, Responsive Web Design, and Scrum Master, with a proven ability to deliver solutions that are technically robust and business-driven.

Experience

Rosary Labs, Malaysia

Jan 2025 – Present

Full Stack Developer

- Developed and implemented custom legal aid systems with Laravel and Next.js, streamlining workflows and reducing case handling time by 40%.
- Implemented CI/CD pipelines on Azure, cutting deployment time by 50% and ensuring 99.9% uptime.
- Created responsive UI with React.js/Next.js, improving user accessibility and engagement.
- Collaborated directly with clients, gathering requirements and delivering tailored solutions.
- Optimized backend APIs and queries, enhancing overall system speed and data accuracy.
- Developed and implemented custom legal aid systems using Laravel and Next.js, optimizing workflow efficiency and case management for legal professionals.
- Designed and implemented database architectures with PostgreSQL and MySQL, ensuring performance, scalability, and data integrity.

Fame International IT Consulting, Malaysia

Aug 2022 – Jul 2024

Software Engineer

- Maintained and enhanced features of the Bizview accounting software, improving system stability and usability.
- Gained hands-on experience with low-code platforms (FlutterFlow.io, Bubble.io) and SQLite, expanding development versatility.
- Built eOptimum electronic nursing care system (CodeIgniter 4 & MySQL), digitizing records for 200+ patients and reducing paper-based errors by 70%.
- Designed and launched DutyTrace QR-code staff attendance system, reducing attendance errors by 60% and improving reporting speed by 45%.
- Delivered eReservation system with restaurant floor mapping and online booking, enabling restaurants to manage 30% more reservations and cutting booking errors by 40%.
- Enhanced FamePOS across mobile and web platforms, increasing transaction speed by 35% and reducing downtime by 20%.
- Built DutyTrace attendance system (QR-based + FlutterFlow app + CodeIgniter backend), processing 5,000+ monthly check-ins and reducing errors by 60%.
- Designed CRM features that automated workflows, reducing response time by 25%.
- Collaborated with cross-functional teams, conducted system testing/debugging, and optimized SQL queries for scalability and performance.

MobileOne Technology, Malaysia

Sep 2021 – Jun 2022

Software Engineer

- Modernized legacy PHP/MS SQL systems, improving functionality and performance by 20%.
- Developed and deployed enterprise-level web applications using PHP, JavaScript, and SQL.
- Designed backend services to connect applications with external web services.
- Reviewed project specifications and translated them into robust technical solutions.
- Introduced updated coding standards and frameworks, enhancing maintainability.
- Conducted comprehensive testing and debugging to ensure production readiness.
- Collaborated with project managers and engineers to deliver projects on time.

Swinburne University of Technology, Malaysia

Sep 2020 – Jun 2021

Full Stack Developer – Final Year Project

- Led a team of 4 developers to design an Agile Project Management System.
- Integrated 8+ modules including GitHub API, bug reporting, and time tracking.
- Built system architecture and database schema to support Agile workflows.
- Created dashboards for project tracking, reporting, and collaboration.
- Delivered the project with 100% client satisfaction and received the Top Scorer Award.

KARUNA, Malaysia

Jun 2020 – Aug 2020

Software Developer Intern

- Assisted in developing e-commerce platforms using PHP, JavaScript, and MySQL.
- Built responsive UI components with Bootstrap to improve usability.
- Collaborated with senior developers and designers to deliver customized solutions.
- Wrote clean, maintainable code under the supervision of senior engineers.
- Debugged and resolved issues to ensure smoother project deployment.

Education

Swinburne University of Technology – Kuching, Sarawak, Malaysia

2018 – 2021

Bachelor of Computer Science: Software Development

Swinburne University of Technology – Kuching, Sarawak, Malaysia

2017_2018

Foundation: Information Technology and Multimedia

Training Courses & Certifications

1. Introduction to PHP – Simplilearn (**Jul 2022**)
2. Responsive Web Design – FreeCodeCamp (**Jun 2021**)
3. JavaScript Algorithms and Data Structures – FreeCodeCamp (**Jun 2021**)
4. Scrum Master Certified (SMC) – Project Management Institute (**Jun 2021**)

Skills & Other

Technical Skills:

1. **Programming:** PHP (Laravel, CodeIgniter 4), JavaScript (React.js, Next.js, jQuery, AJAX), HTML5, CSS3, Bootstrap
2. **Databases:** MySQL, PostgreSQL, Microsoft SQL Server, MongoDB
3. **Cloud Services:** Azure, DigitalOcean, Vercel, Plesk, cPanel
4. **Low-Code Platforms:** FlutterFlow.io, Bubble.io
5. **Web Design & Tools:** Figma, Adobe Photoshop, Illustrator, XD, InDesign
6. **Office Productivity:** Microsoft Word, Excel (advanced formulas, pivot tables, charts), PowerPoint (presentations & reporting)
7. **Project Management:** Agile & Scrum methodologies, Sprint Planning, Requirement Gathering

Soft Skills:

- Problem Solving & Analytical Thinking
- Communication & Collaboration
- Time Management & Meeting Deadlines
- Adaptability & Continuous Learning
- Client Requirements Analysis & Translation to Technical Solutions
- Attention to Detail & Code Quality Assurance

Languages:

English: Excellent

Arabic: Mother Language