

Emad Aldin Ali Abdulwahid

Software Developer

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Professional Summary

Experienced Software Developer with a strong background in building scalable, high-performance web applications and transitioning monolithic architectures to microservices. Proficient in custom PHP development, seamlessly integrating front-end and back-end components, and optimizing database performance for speed and reliability.

EXPERIENCE

Freelance Software Developer | 01/2026 – Present

Freelance - Remote

Main activities and responsibilities:

- Developed and integrated a custom shipping plugin for a multi-vendor marketplace built with Botble CMS, handling rate calculation, shipment creation, webhook processing, and synchronization of delivery locations with a third-party logistics provider.
- Designed and published a reusable Laravel package implementing WebAuthn for secure passwordless authentication, providing a backend-first solution compatible with modern browsers and security standards.
- Upgraded and refactored a student exam system by migrating both frontend and backend to the latest framework versions, improving performance, maintainability, and code quality using SOLID principles and established design patterns.
- Technologies used: PHP, Laravel, Livewire, NuxtJS, VueJS, MySQL, Git, Trello, and Nginx.

Software Developer | 01/2025 – 01/2026

EVOLVEX TECHNOLOGY - UAE

Main activities and responsibilities:

- Developed and maintained an internal admin dashboard using Laravel and MongoDB, designed to handle and display complex reports from millions of records.
- Built custom report generation logic using MongoDB aggregations and Laravel Jobs/Queues to pre-aggregate data for better performance and user experience.
- Improved system performance by identifying bottlenecks in API endpoints and implementing caching, indexing strategies, and query optimizations.
- Integrated WebAuthn for secure biometric and hardware-based authentication within the admin panel, enhancing login security and user trust.
- Integrated a notifications module allowing admins to send targeted or broadcast messages to users through multiple channels, including email, Firebase push notifications, and Telegram.
- Integrated Laravel Reverb WebSocket to enable real-time updates within the admin dashboard, providing instant notifications, live report refreshes, and seamless user communication without page reloads.
- Collaborated closely with product and support teams to understand reporting

needs and deliver scalable backend solutions.

- Wrote clean, maintainable code and participated in regular code reviews to uphold quality standards.
- Technologies used: PHP, Laravel, MongoDB, Git, Youtrack, Rabbitmq, Nginx, Firebase, and Redis.

Software Developer | 01/2024 – 12/2024

Iwinto - UAE

Main activities and responsibilities:

- Built and integrated RESTful APIs for Iwinto's mobile app and Admin Dashboard, including complex features like payment integration and SMS verification.
- Developed reusable, testable PHP modules for backend functionality, ensuring optimal server-side logic.
- Optimized application performance, resulting in improved response times and efficiency.
- Developed new UI components and integrated APIs into the Admin Dashboard, ensuring optimal front-end and back-end functionality.
- Managed deployment and maintenance of applications on Hostinger VPS, resulting in improved website responsiveness.
- Assisted in troubleshooting and resolving technical issues, collaborating closely with cross-functional teams.
- Technologies used: PHP, Laravel, MySQL, Vue.js, JavaScript, HTML5, CSS3, Bootstrap, Git, Firebase, Node.js, Express.js, Nuxt.js.

Software Developer | 04/2021 – 07/2023

Smart Management IT Solutions (SMIT) - Qatar

Main activities and responsibilities:

- Developed and optimized reusable PHP modules for ERP systems, enhancing performance and scalability.
- Collaborated with front-end developers to integrate UI components using Vue.js and PHP-based APIs.
- Improved database schema design and optimized queries to enhance system performance.
- Led API integration efforts with third-party services and created API documentation using Swagger.
- Utilized Git and AWS CodeCommit for version control and collaborative development.
- Collaborated with other engineers in a multidisciplinary team to assess, plan, and execute tasks.
- Technologies used: PHP, Laravel, Lumen, MySQL, Vue.js, JavaScript, Bootstrap, HTML5, CSS3, AWS CodeCommit, Git, Jira, and Yii 1.1.

Software Developer | 01/2021 – 03/2021

Aldana Computer Technology - UAE

Main activities and responsibilities:

- Refactored existing ERP code for the HR Module, optimizing performance and improving the user experience.
- Delivered feature enhancements and technical support for ERP software users, collaborating with the development team on upgrades and creating new projects.
- Technologies: PHP, Laravel, Ajax, jQuery, MySQL, Git, JavaScript, CSS3, HTML5, Bootstrap.

Software Developer | 02/2017 – 04/2021

National Information Center - SUDAN

Main activities and responsibilities:

- Led the development of the Sudan Internet Exchange Point (SIXP) website and a custom CMS for government entities.
- Delivered web development training to over 50 government employees, enhancing their ability to maintain and support internal systems.
- Led the management and optimization of the SLCO examination system, improving business processes and functionality.
- Technologies used: PHP, Laravel, Ajax, jQuery, MySQL, Git, JavaScript, HTML, CSS.

EDUCATION

- **Bachelor's Degree with Honors in Information Systems | Jun 2010 – Jun 2014**
Omdurman Islamic University, Sudan.

SKILLS

- **PHP Development:** Custom PHP module development, optimized for performance and scalability.
- **Front-end Integration:** Collaborating with front-end teams using HTML5, CSS3, JavaScript, and AJAX.
- **API Integration:** Designing and implementing RESTful APIs and integrating them with third-party services.
- **Database Management:** MySQL schema design, MongoDB, optimization, and performance tuning.
- **Performance Optimization:** Proven experience in improving speed and efficiency in web applications.
- **Version Control:** Proficient with Git for collaborative development.
- **Server Management:** Experience deploying and managing PHP applications on VPS and optimizing.

LANGUAGES

- Arabic: Native English: Proficient