

# Emad Aldin Ali Abdulwahid

## Software Developer

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### Professional Summary

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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

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#### 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**

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

## **SKILLS**

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- 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

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- Arabic: Native English: Proficient