Ahmed Ramadan Abdelaaty

Backend Developer

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Profile

Backend Developer with 4 years of experience specializing in Laravel, PHP, and MySQL, with a proven track record of building scalable, secure, and high-performance web applications. Experienced in designing and developing RESTful APIs, integrating third-party services, optimizing database performance, and implementing secure authentication, authorization, and Role-Based Access Control (RBAC). Strong foundation in MVC architecture, Object-Oriented Programming (OOP), and software design principles, with hands-on experience in real-time applications using Pusher and Livewire. Passionate about writing clean, maintainable code, solving complex technical challenges, and delivering reliable, production-ready backend solutions.

Professional Experience

Backend Developer Dec 2025 – Present | Nasr City, Cairo, Egypt

SahelBooks®

- Develop and maintain enterprise-grade ERP solutions using Laravel, PHP, and MySQL. Design and implement scalable RESTful APIs for ERP modules consumed by web and mobile applications. Refactor legacy code into Service and Repository architectures, improving code maintainability and scalability. Integrate third-party services, including payment gateways, email services, and external APIs. Optimize database performance through query optimization, indexing, and caching techniques. Implement secure authentication, authorization, and Role-Based Access Control (RBAC) while collaborating with cross-functional teams to deliver production-ready features.

Backend Developer Feb 2024 – Dec 2025 | Heliopolis, Cairo, Egypt

Anmka

- Developed and maintained Learning Management Systems (LMS) and education-focused platforms using Laravel. Built modules for course management, student enrollment, online assessments, attendance tracking, grading, and learning workflows. Designed and implemented RESTful APIs to support web and mobile educational applications. Integrated third-party services, including payment gateways, email notifications, and live communication features. Implemented secure authentication, authorization, and role-based access control for administrators, instructors, students, and parents. Optimized application performance and collaborated with frontend developers to deliver scalable and user-friendly educational solutions.

Backend Developer Jan 2023 – Feb 2024 | New El-Maadi, Cairo, Egypt

scheme code

- Developed and maintained ERP, accounting, and business management systems using Laravel and PHP. Built financial modules including invoicing, payments, expense tracking, reporting, and business workflow automation. Designed scalable RESTful APIs and optimized complex MySQL queries to improve system performance. Developed reusable backend components and integrated third-party services to support diverse business requirements. Participated in system architecture, database design, feature development, debugging, and performance optimization. Worked on multiple custom web applications across various industries while following clean code and Laravel best practices.

Education

Bachelor's degree in computer science 2019 – 2023 | Zagazig, Egypt

Zagazig university

Skills

Laravel
PHP
Mysql
SQL
OOP
API
javascript
Bootstrap
Integration Of Payment Gateways
Team Collaboration
RESTful APIs
MVC
Livewire
Pusher
Html
CSS
Git
GitHub - Bitbucket
Communication Skills

Projects

Edvora lms
Laravel
Developed a full-featured e-learning platform with course management, enrollments, exams, certificates, progress tracking, and role-based access control. Integrated multiple payment gateways including Stripe, Paymob, PayTabs, PayPal, and Fawry. Integrated VdoCipher for secure video streaming and Zoom/Google Meet for live classes. Implemented notifications, student–instructor chat, activity logging, queues, scheduled jobs, and RESTful APIs. Designed maintainable backend architecture using Laravel Services, Eloquent ORM, MySQL, authentication, authorization, and validation.

Schemecode ERP
Developed and maintained a large-scale Enterprise Resource Planning (ERP) solution supporting end-to-end business operations across finance, accounting, inventory, procurement, sales, CRM, HR, payroll, POS, and business analytics. Implemented financial workflows including invoicing, payments, expenses, journal entries, tax management, and financial reporting. Built inventory and supply chain modules covering warehouses, stock movements, purchasing, suppliers, product management, and order processing. Developed employee and customer management modules with configurable workflows and Role-Based Access Control (RBAC). Integrated third-party services including payment gateways, email notifications, and external business APIs.

TimeDoc EG – Clinic Management System
Laravel
Built a comprehensive clinic management platform with bilingual Arabic/English support and role-based access control. Developed modules for patient management, appointments, visits, doctors, schedules, medical records, invoices/payments, diagnostic tests and results, and clinic administration. Designed service/repository-based business logic, role-specific dashboards, appointment scheduling and collision validation, and RESTful APIs using Laravel Sanctum. Added extensive feature testing covering core clinical and administrative workflows.

LexOffice – Legal Office Management System
Laravel
Built a multi-branch legal management platform with role-based access control and Arabic/English localization. Developed modules for clients, cases, sessions, courts, tasks, invoices/payments, expenses, documents, notifications, and activity logging. Implemented a client portal and CMS for firm content management, along with branch-based data scoping, media management, and permission-based workflows.

Carvia — Car Rental Management System
laravel
Developed a complete car rental management system for managing vehicles, customers, reservations, payments, and rental operations. Implemented vehicle availability tracking with double-booking prevention, automated rental cost calculation, pickup and return workflows, late-fee handling, role-based access control, notifications, activity logging, and operational dashboards and reports.

SkillVerse
Developed a comprehensive multi-instructor Learning Management System (LMS) supporting course creation, bootcamps, live classes, and digital content delivery. Designed and implemented secure RESTful APIs, integrated multiple payment gateways and Zoom API, and developed automated certification and Role-Based Access Control (RBAC) features. Built a scalable and secure architecture with multilingual support, cloud storage integration, instructor revenue management, and advanced video content protection.

Athar – Perfume E-Commerce Platform
laravel
A premium e-commerce platform for perfumes and fragrances, offering product browsing, categories, cart, checkout, customer accounts, and order management with a luxury-focused shopping experience.

Lang-hub
Developed a comprehensive LangHub – Language Assessment & Examination Platform supporting structured exams, intelligent quiz generation, and multiple question formats, including speaking, essay, matching, and auto-graded assessments. Built secure RESTful APIs and implemented online examination workflows featuring automated grading, manual review, certificate generation, and audio answer submission. Integrated multiple payment gateways, social authentication, real-time notifications, and multilingual support to deliver a scalable learning experience. Developed a secure, cloud-ready backend with Role-Based Access Control (RBAC), dynamic content management, reporting, and comprehensive administrative tools.

Healthcare Management Platform
Laravel
Developed a comprehensive healthcare management platform with a centralized admin dashboard for managing patients, doctors, departments, billing, and healthcare services. Built a complete appointment management workflow, including scheduling, confirmation, and automated email notifications to patients. Implemented a role-based access control (RBAC) system supporting multiple user roles such as administrators, doctors, patients, laboratory staff, and radiologists. Developed a dedicated doctor portal enabling patient diagnosis management, laboratory and radiology referrals, and review of medical reports.

Education Management Platform
Laravel
Developed a comprehensive education management platform with a centralized administration dashboard for managing classes, sections, subjects, library resources, student promotions, user accounts, announcements, and academic operations. Built a complete student information system, including fee management, payment receipts, academic records, attendance tracking, and printable financial reports. Implemented a Role-Based Access Control (RBAC) system supporting administrators, teachers, students, and parents with dedicated dashboards and permissions. Developed a teacher portal for managing quizzes, grades, attendance, and online learning sessions, streamlining daily academic workflows. Built dedicated student and parent portals providing secure access to academic performance, attendance reports, fee payments, schedules, library resources, and school announcements.

Fashion E-Commerce Platform
Laravel
Developed a full-featured e-commerce platform for online fashion retail, supporting product catalog management, order processing, and customer account management. Built a complete shopping cart and checkout workflow, enabling a seamless purchasing experience from product selection to order placement. Implemented a Role-Based Access Control (RBAC) system with dedicated permissions for administrators and customers. Developed customer-facing features including user profiles, wishlist management, order tracking, and purchase history. Built an administration dashboard for managing products, categories, inventory, and customer orders.

Invoice & Billing Management Platform
Laravel
Developed a comprehensive invoice and billing management platform for creating, tracking, and managing invoices throughout their lifecycle. Implemented a Role-Based Access Control (RBAC) system supporting Super Admin, Admin, and User roles with dedicated permissions. Built invoice generation and export functionality with support for PDF and Excel formats, enabling easy reporting and record keeping. Developed payment status tracking with support for Paid, Unpaid, and Partially Paid invoices, providing real-time visibility into invoice collections. Integrated automated email notifications for newly created invoices and a notification system to alert administrators of new invoice activity.

Cloud File Management Platform
Laravel
Developed a cloud-based file management platform for securely storing, organizing, and sharing files across devices. Built file upload and management features with support for both public and private files, including create, edit, delete, and organization capabilities. Implemented secure file sharing with configurable access permissions, allowing users to control who can view shared files. Developed a comprehensive authentication and Role-Based Access Control (RBAC) system to ensure secure access to resources.

Courses

Full Stack Development Diploma Jul 2021 – May 2022 | Cairo, Egypt
Instant software solutions

Languages

Arabic
Native

English
Intermediate