

Gehad Adel Attia

Backend Engineer

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PROFILE

Backend Developer with more than 1+ year of hands-on experience designing and developing robust web applications using Laravel and PHP. Skilled in building secure RESTful APIs, implementing authentication systems (JWT), and optimizing database structures for performance and scalability. Strong understanding of OOP, MVC architecture, and clean code principles. Committed to delivering high-quality, maintainable solutions and collaborating effectively within agile teams.

PROFESSIONAL EXPERIENCE

Master Code Kuwait, *Backend Engineer*

- Developed high-performance RESTful APIs powering web and mobile applications for restaurant operations, including orders, inventory management, and reporting systems.
- Contributed to the development of multiple internal systems, including HR, Warehouse, Procurement, Management, Cashier, Kitchen, Waiter, and Finance platforms.
- Optimized backend workflows and database queries, improving system efficiency, data consistency, and overall reliability.
- Designed and maintained scalable database structures, ensuring performance and maintainability.
- Collaborated closely with frontend and mobile development teams to ensure seamless API integration and on-time feature delivery.
- Implemented authentication and authorization mechanisms (JWT) to enhance system security.

More2Drive, *FullStack Developer*

- Developed and maintained scalable RESTful APIs using Laravel (PHP) for an Automotive ERP system supporting both web and mobile applications.
- Built dynamic, modular, and responsive front-end applications using Vue.js, ensuring seamless integration with backend services.
- Designed and optimized MySQL databases, implemented complex business logic, authentication & authorization mechanisms, and managed end-to-end ERP workflows.
- Applied HMVC architecture, clean code principles, and software design best practices to maintain a scalable and maintainable codebase.
- Collaborated with cross-functional teams and used Git for version control and efficient team-based development.

Competitions & Technical Activities, *Problem Solver*

- ACM Participant – Competed in ACM programming contests, solving complex algorithmic problems under strict time constraints and strengthening advanced problem-solving skills.
- Participated in the Egyptian Collegiate Programming Contest (ECPC) and achieved Rank 28, demonstrating strong proficiency in algorithms, data structures, and competitive problem-solving.
- Achieved Gold Level in Competitive Programming, reflecting solid knowledge of time complexity analysis and efficient algorithm design.
- Completed intensive college-based technical training programs in programming and software engineering fundamentals.

PROJECTS

ServCar [↗](#), *Car Maintenance Management System*

- Developed a full-stack car maintenance management system using Laravel and Vue.js.
- Implemented customer-facing features including appointment booking, service tracking, and service browsing.
- Built comprehensive admin modules for managing bookings, repairs, spare parts inventory, and employees.
- Designed scalable RESTful APIs and optimized database queries for performance and reliability.

Travel API [↗](#)

- Designed and developed a secure RESTful Travel API with role-based access control (RBAC) and authentication.
- Implemented advanced tour filtering and search functionality for dynamic data retrieval.
- Wrote comprehensive PHPUnit test cases to ensure reliability and maintainability of core features.
- Structured the project following clean architecture and best practices.

BlackJack Game [↗](#)

- Developed a console-based Blackjack game using core Object-Oriented Programming principles.
- Implemented game logic, player interactions, and scoring system with clean, modular design.
- Applied OOP concepts such as encapsulation, abstraction, and class modeling.

Blog [↗](#)

- Built a full-featured blog platform with CRUD operations for articles and categories.
- Implemented user authentication and commenting system with automated word filtering.
- Designed an admin dashboard for managing content and user interactions.
- Applied MVC architecture and clean code principles.

EDUCATION

Bachelor of Computer and Information Science, Ain Shams University

09/2020 – 07/2024

- Grade: Very Good
- Graduation Project: Cattle Behavior Identification and anomolous detection (A+)

TECHNICAL SKILLS

Programming Languages:

- JavaScript, Java, C++, PHP, Python, SQL

Frontend Technologies:

- Vue.js, HTML, CSS, Pug Templates

Developer Tools:

- Git, GitHub, Docker, Postman

Backend Technologies:

- Laravel, Spring boot, JWT, REAST APIs, HMVC

Databases:

- Postgres, MySQL

Computer Science Fundamentals:

OOP, Design Patterns, Data Structures, Algorithms, Computer Networks, Operating Systems, Databases, SOLID Principles