






Samuel Gerges

Backend Software Engineer

Cairo, Egypt

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Profile

Backend Software Engineer with 3+ years of experience in ERP systems, operations platforms, and booking applications. Skilled in PHP, Laravel, Node.js, REST APIs, SQL optimization, caching strategies, and backend architecture. Experienced in microservices concepts, third-party integrations, authentication, API documentation, and performance tuning. Strong focus on building scalable systems and delivering maintainable backend solutions.

Experience

- **EEC Group** **Egypt – Onsite**
Full Stack Developer *Jul 2023 – Present*
 - Build and maintain the company's core ERP system, supporting operations, HR, CRM, purchasing, warehouses, and invoicing.
 - Analyze business requirements and translate them into structured backend workflows and API-driven solutions.
 - Design scalable architecture using clean code principles and patterns such as **Repository**, **Adapter**, and **Service Layer**.
 - Optimize SQL queries, indexing, caching, and Eloquent logic to reduce load times and improve data accuracy.
 - Implement integrations with ETA, SMS gateways, and external APIs.
 - Lead a development team through task planning, code reviews, and pair programming to improve delivery quality.
 - **Tech Stack:** PHP, Laravel, MySQL, Redis, REST APIs, Git, JavaScript, jQuery
- **Adastra** **Saudi Arabia – Remote**
Full Stack Developer *Jul 2022 – Jun 2023*
 - Developed backend modules for the Business Academy System: courses, instructors, enrollment, payments, and access management.
 - Designed backend structure using clean code, repository pattern, adapter pattern, and modular service architecture.
 - Integrated SMS providers, payment gateways, email notifications, and external APIs.
 - Built and maintained the company website **Setcco** and contributed to the backend of the Modern Invitation mobile app.
 - Improved reliability and performance through indexing, caching strategies, and optimized SQL queries.
 - **Tech Stack:** PHP, Laravel (Multi-Tenant), MySQL, Redis, Filament, Docker, Git
- **Abber Alamaal** **Saudi Arabia – Remote**
Full Stack Developer *Jan 2022 – Jun 2022*
 - Converted business requirements and Figma UI into backend architecture and database structure for a tour booking system.
 - Developed dashboards for bookings, users, trip schedules, and content management.
 - Built REST APIs for mobile app integration with validation, business logic, and access rules.
 - Implemented online/offline booking workflows with full tracking and state management.
 - **Tech Stack:** PHP, Laravel, MySQL, REST APIs, Git

Skills

- **Programming Languages:** PHP, JavaScript, Node.js
 - **Backend Frameworks:** Laravel, Express.js, NestJS (learning)
 - **Frontend:** HTML, CSS, JavaScript (DOM), jQuery, Bootstrap, TypeScript, AJAX
 - **Databases & Storage:** MySQL, PostgreSQL, SQLite, MongoDB, Redis
 - **Performance & Optimization:** Query Optimization, Indexing, Caching, Queue Workers, Task Scheduling
 - **Microservices & Distributed Systems:** Microservices (concepts), Decoupled Architecture
 - **Real-Time Communication:** WebSockets, Pusher
 - **API & Security:** REST APIs, Authentication (JWT, OAuth 2.0), Authorization, API Documentation (Postman)
 - **Architecture & Concepts:** OOP, SOLID, MVC, HMVC, Repository Pattern, Adapter Pattern, Service Layer
 - **Testing:** PHPUnit, Jest, Integration Testing
 - **DevOps & CI/CD:** Docker, GitHub Actions, Linux, Nginx, Postman
 - **Version Control:** Git, GitHub
 - **Agile Methodologies:** Trello, Agile, Scrum
 - **Soft Skills:** Problem solving, communication, teamwork, code optimisation, decision making
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Education

- **Minia University** **Minia, Egypt**
Bachelor's Degree in Computer and Information 2018 – 2022
 - Studied computer science fundamentals, programming, databases, and software development.
 - **Information Technology Institute (ITI)** **Egypt**
PHP Full Stack Development Program 2022
 - Completed practical training in backend development using PHP, Laravel, and web technologies.
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Languages

- **Arabic:** Native proficiency
- **English:** Professional working proficiency