





# 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.

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## Experience

- **LINRCO-Egypt** **Egypt – Onsite**  
Feb 2026 – Present  
*Senior Backend Developer*
  - Design and build a custom ERP system tailored to company workflows, replacing reliance on SAP to better fit internal processes and employee services.
  - Design system architecture using **HMVC** structure and clean code principles, applying patterns such as **Repository**, **Adapter**, and **Service Layer**.
  - Develop REST APIs using Laravel to handle request workflows, validations, and data flow between ERP modules.
  - Implement complex business rules including multi-step approval workflows, role-based access control, and request lifecycle management.
  - Optimize MySQL queries, indexing, and Eloquent logic to improve performance and ensure data accuracy.
  - Work closely with Business Analysts, UI/UX, and frontend developers to convert user stories into backend logic and database structure.
  - **Tech Stack:** PHP, Laravel, MySQL, REST APIs, Git, JavaScript, jQuery
- **CRUX** **Canada – Remote**  
Oct 2025 – Mar 2026  
*Senior Backend Developer*
  - Implemented **Payment Gateway integration** (Stripe, PayPal), handling transaction processing, callback workflows, validation, and failure recovery.
  - Developed certification management logic with external integration (**Credly**), including verification and expiration validation.
  - Designed and maintained backend modules using **Service Layer** and **Repository Pattern** to ensure clean architecture and scalability.
  - Optimized MySQL queries, indexing, and API performance to improve response time and data consistency.
  - **Tech Stack:** PHP, Laravel, MySQL, REST APIs, Stripe, PayPal, Git
- **EEC Group** **Egypt – Onsite**  
Jul 2023 – Jan 2026  
*Full Stack Developer*
  - 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**

*Bachelor's Degree in Computer and Information*

**Minia, Egypt**

*2018 – 2022*

- **Information Technology Institute (ITI)**

*PHP Full Stack Development Program*

**Egypt**

*2022*

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## Languages

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