

# Samuel Gerges

Backend Software Engineer

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SamuelGerges

 samuelgerges



Portfolio

## 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  
Jul 2023 – Present  
*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  
Jul 2022 – Jun 2023  
*Full Stack Developer*
  - 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  
Jan 2022 – Jun 2022  
*Full Stack Developer*
  - 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  
2018 - 2022  
*Bachelor's Degree in Computer and Information*
    - Studied computer science fundamentals, programming, databases, and software development.
  - **Information Technology Institute (ITI)** Egypt  
2022  
*PHP Full Stack Development Program*
    - Completed practical training in backend development using PHP, Laravel, and web technologies.
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## Languages

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