

Felopater Nabil

Backend Software Engineer

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SUMMARY

Results-driven Backend Software Engineer specializing in PHP and Laravel ecosystem. Proven expertise in designing scalable architectures, developing secure RESTful APIs, and optimizing database performance. Adept at utilizing Docker, Linux, and Cloud Infrastructure to deploy robust enterprise-level applications. Passionate about translating complex business requirements into clean, maintainable code using SOLID principles, Clean Architecture, and Service-Oriented MVC patterns.

WORK EXPERIENCE

Full Stack Developer | SkillUp 2024 – Present

- Spearheading backend architecture and core API engineering for enterprise platforms using Laravel, PHP, and MySQL.
- Implementing Redis caching and asynchronous job queues to handle concurrent traffic and optimize query response times.
- Collaborating with cross-functional teams to build modular, maintainable features adhering to SOLID and Clean Architecture.

PROJECTS

SkillUp | High-Concurrency Growth & Performance Platform

Laravel, Redis Cluster, MySQL 8, Docker, Queue Workers

- Architected and implemented a high-throughput backend infrastructure engineered to handle traffic spikes and concurrent user requests efficiently.
- Integrated Redis caching layers and asynchronous background queue workers via Laravel Horizon to offload compute tasks and minimize response latency.
- Optimized database performance and query execution plans with advanced indexing strategies, composite keys, and read/write connection splitting.

Tanqia Skills | Employee Task Management System

Laravel, Tailwind CSS, MySQL, Docker

- Developed a comprehensive web platform with role-based access control (Admin/Employee) to streamline task delegation and tracking.
- Programmed advanced backend features including automated bulk Excel data processing and automated database backups to ensure operational reliability.

Academy | Learning Management System (LMS)

Laravel 13.x, SQLite/MySQL, Docker

- Developed a secure, integrated LMS platform to manage courses, track student progress sequentially, and handle user permissions.
- Applied Services Design Pattern (e.g., UserLifeCycleService) to cleanly handle complex state calculations and student enrollment logic.
- Strengthened application security by implementing Content Security Policy (CSP) headers, Rate Limiting, and dedicated Admin Guards.

EDUCATION

Bachelor's in Management
Information Systems (MIS)
Sadat Academy of Management
Sciences

GPA
3.58 /
4.00

SKILLS

Backend & APIs

PHP (8.x) Laravel (11.x, 13.x)

RESTful API Design Laravel Sanctum

L5-Swagger (OpenAPI 3.0)

Architecture & Code Quality

Clean Architecture SOLID Principles

Service-Oriented MVC Domain-Driven Structure

PHPUnit (Feature/Unit Testing)

PHPStan (Larastan)

Databases & Performance

MySQL 8.0 Redis (Caching & Queues)

Database Indexing Query Optimization

Eloquent ORM

DevOps & Infrastructure

Docker Linux Git Laravel Horizon

PROJECTS (CONTINUED)

SmartPOS ERP | Mobile Retail Point-of-Sale & Inventory System

Laravel, NativePHP, MySQL, Barcode/IMEI Scanner

- Developed a cross-platform desktop POS application tailored for mobile phone stores and electronics retailers.
- Implemented comprehensive inventory tracking with multi-attribute variants, unique device IMEI tracking, and barcode integration.
- Designed fast checkout workflows, printable receipt generators, automated profit/loss margin calculations, and real-time stock alert thresholds.

Sip & Snug | E-Commerce System & RESTful API

Laravel 13, MySQL 8, L5-Swagger, Sanctum

- Built an end-to-end backend system powering both mobile and web clients through secure, token-based API endpoints (Laravel Sanctum).
- Designed a well-structured relational database schema utilizing Eloquent ORM to manage product variants, dynamic carts, delivery zones, and order fulfillment.
- Generated interactive OpenAPI 3.0 documentation using L5-Swagger to streamline frontend and mobile integration.
- Implemented strict FormRequest validation classes to enforce data integrity and separate validation logic from controllers.

Clothes | Enterprise E-Commerce Platform

Laravel 13, Filament v3, TALL Stack

- Engineered a scalable, modern e-commerce backend utilizing a Clean Service-Oriented MVC architecture to separate heavy business logic from controllers.
- Developed complex financial and operational modules, including a secure Digital Wallet system, a Loyalty Points reward engine, and an RMA (Returns Management) system.
- Integrated a highly interactive administration panel using Filament v3 for seamless store, inventory, and customer ticket management.

SKILLS (CONTINUED)

Monitoring & Tooling

Laravel Telescope Laravel Pulse

Filament v3 (TALL Stack)

Soft Skills

Complex Problem Solving & Analytical Thinking

Cross-functional Team Collaboration

Leadership & Team Management

Effective Technical Communication

Time Management & Adaptability

TRAINING / COURSES

Full-Stack PHP & Laravel Training Program

National Telecommunication Institute (NTI)

Web Technologies Intensive Training

Information Technology Institute (ITI)

InnovEgypt Program

AI Ambassadors Program (Advanced Level)

LANGUAGES

Arabic	● ● ● ● ●
Native	
English	● ● ● ● ●
Fluent	