

YOUSSEF ADEL ZAKI

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PROFESSIONAL SUMMARY

Backend Web Developer with hands-on experience building web applications through freelance work and independent projects, mainly using Laravel and Vue.js. Skilled in designing REST APIs, relational databases, authentication systems, and scalable backend architectures.

PROJECTS

BusCo - Bus Tracking & Transportation Management System - 2026

[GitHub](#)

- Built a role-based platform for drivers, passengers, shippers, and admins, so each user only sees the data relevant to them (PostgreSQL, Supabase).
- Enforced strict data access control between roles using database-level security policies (RLS) and secure server-side functions (RPCs), preventing unauthorized access to other users' data.
- Built real-time GPS tracking and push notifications so passengers and drivers stay in sync, plus wallet top-ups for shipper payments.

Cerebro - Brain MRI Classification Web App - 2026

[Live](#) | [GitHub](#)

- Built a web app that lets users upload brain MRI scans and instantly see whether a tumor is present, with results and history saved to their account.
- Integrated a Hugging Face AI model via FastAPI backend, achieving 99.6% test accuracy (99.2% on an unseen external dataset) on binary tumor classification, with confidence scores, heatmaps, and AI-generated analysis for each scan.

Taskly – Tasks Management Web Application - 2025

[GitHub](#)

- Built a task and project management app with deadlines, task assignment, and a responsive interface for teams to organize work.
- Improved backend performance (faster data loading, reduced database load) through caching, indexing, and query optimization, so the app stays fast as data grows.

TECHNICAL SKILLS

Databases	MySQL, PostgreSQL, Database Design, Query Optimization, Supabase
Backend	PHP, Laravel, REST APIs, sanctum, RBAC, Queues, Python, FastAPI, Hugging Face
Frontend	Vue.js, HTML, CSS, JavaScript
Tools	Git, GitHub, Docker, Postman, Vercel, CI/CD, Google Maps API, Paymob, LLM APIs
Concepts	OOP, MVC, Design Patterns, Clean Architecture

EDUCATION

Borg El Arab Technological University, B.Tech. in Information Technology (Software Engineering Track)

Graduated: 2026 | Overall Grade: 86.48%