# Ahmed Fathy Zaki

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## SUMMARY

Results-driven Senior Backend Engineer with over 10 years of experience specializing in the Laravel ecosystem, scalable SaaS architectures, and
high-performance API design. Proven track record in optimizing data-intensive systems, reducing API latency by up to 72%, and managing complex GIS and Marketing Tech integrations. Expert in Clean Architecture (SOLID), queue-based processing, and DevOps workflows, with a strong background in mentoring teams and contributing to Open Source projects.

## EDUCATION

Agriculture Diploma | Alexandria, Egypt

## PROFESSIONAL EXPERIENCE

**LaBaih & THTC** | Saudi Arabia Senior Full Stack Developer (GIS & Logistics Systems) | 06/2024 – Present

- Architected high-performance GIS dashboards facilitating real-time tracking and Point of Interest (POI) visualization.
- Optimized map rendering by processing live GeoJSON datasets and implementing advanced spatial queries.
- Reduced API response times from 650ms to 180ms through strategic database indexing and Redis caching.
- Developed internal OSM editing tools that improved map data accuracy by 25%.
- Led backend feature design and enforced code quality through rigorous peer reviews for map modules.

**B5Digital** | Denmark (Remote) Senior Software Engineer (Marketing Analytics SaaS) | 05/2022 – 06/2024

- Designed a unified marketing dashboard integrating 5+ major advertising platforms (Meta, Google, etc.).
- Engineered a robust queue-based system processing over 40,000 records daily from external APIs.
- Decreased failed synchronization jobs by 35% by implementing sophisticated retry/backoff and rate-limiting strategies.
- Achieved a 40% reduction in sync latency for campaign data via background job optimization.
- Collaborated on high-level architecture decisions and mentored the team on Clean Code standards.

**Unipuka** | Egypt Full Stack Developer (EdTech SaaS) | 11/2021 – 05/2022

- Developed a high-concurrency exam engine capable of handling thousands of simultaneous student submissions.
- Integrated AWS-hosted secure video streaming services for paid educational content.
- Boosted frontend performance by 35% through asset optimization and API tuning.

**Delitechno** | Egypt Senior Backend Developer (Delivery & Booking) | 01/2020 – 08/2021

- Built and scaled booking APIs that powered high-traffic mobile applications.
- Streamlined deployment workflows, reducing time-to-production by 40% via CI/CD improvements.
- Served as the technical lead for backend architecture on new client implementation projects.

**Elnooronline** | Egypt Senior Backend Developer | 01/2016 – 01/2020

- Successfully delivered over 50 platforms from scratch across the eCommerce and Education sectors.
- Optimized complex database queries, resulting in a 30% reduction in overall system load times.
- Mentored junior developers and managed the backend pull request (PR) pipeline

## CORE SKILLS

- **Backend**: PHP 8, Laravel, RESTful API Design, Clean Architecture, SOLID Principles.
- **Scalability & Performance**: Queue Processing (Redis), Background Jobs, Rate Limit Handling, Database Optimization (MySQL).
- **GIS & Data**: OpenStreetMap (OSM), GeoJSON, Spatial Queries, Real-Time Tracking.
- **Integrations**: Facebook, Google Ads, TikTok, LinkedIn,Twitter APIs.
- **Frontend & DevOps**: Vue.js, React, Docker, Nginx, CI/CD, Linux.

## LANGUAGES

- Arabic (Native)
- English (Professional Working Proficiency)