








# Elsayed Kamal Senior Software Developer

 Egypt  El Nozha, New Cairo  elsayedkamal581999@gmail.com  +201092291556  
 08 May 1999  linkedin.com/in/elsayed85  github.com/elsayed85

## Summary

**Senior Backend Engineer** with 5+ years of experience designing and implementing scalable, high-performance applications. Strong expertise in **clean architecture**, **SOLID principles**, and **design patterns**, ensuring maintainable and reliable code for backend systems. Skilled in **PHP (Laravel)** and **microservice architecture**, with a proven track record of optimizing workflows using **queues**, **Redis**, and **WebSockets**.

Proficient in building solutions leveraging **AWS**, **Docker**, **Kafka**, **RabbitMQ**, **MongoDB**, **MySQL**, **Elasticsearch**, and **Couchbase**, enabling robust and efficient application infrastructure. Experienced in **reverse engineering**, **web scraping**, and **AI-driven solutions** for search and similarity matching. Committed to delivering scalable, efficient systems that enhance business operations.

## Education

**Faculty of Computer and Information Sciences**  2017 - 2021 | Mansoura, Egypt  
*Bachelor's degree*

Studied Bioinformatics and medical algorithms with a focus on computational methods in biology.

## Professional Experience

**Waseet.net**  Oct 2023 - present | New Cairo, Egypt  
*Senior Software Engineer*

- Developed and optimized a **scraping tool** to gather large-scale data, integrating it into the platform and storing it in **MongoDB**.
- Architected a **multi-tenant dashboard** using **Filament** for scalable data visualization and management.
- Designed and implemented a high-performance **RabbitMQ**-based queue system to efficiently handle large volumes of events in a **microservices** environment.
- Utilized **Redis** for caching and optimizing data retrieval to enhance system performance.
- Engineered data migration pipelines with **Kafka** for seamless transfer of data from **Couchbase** to **MongoDB**, leveraging **parallel consumers** and **custom data fixers** for optimization.
- Built and integrated multiple **APIs** across different services, ensuring smooth communication between systems.
- Secured the authentication process by implementing measures to protect against **DDoS attacks** and ensure system reliability.
- Delivered robust solutions for **real-time data processing** and ensured **system scalability** for high-throughput workloads.

## Digital Roots GTC

Mar 2023 - Aug 2023 | Kuwait

### Laravel Developer

Refactored legacy system code for improved performance and maintainability, integrated multiple payment gateways, and optimized transaction workflows. Delivered scalable, secure solutions to enhance system reliability and user experience.

## Freelancer

Aug 2019 - Oct 2021 | Egypt

### Back End Developer

Worked with clients in **Saudi Arabia**, **Kuwait**, and **Egypt** to deliver dashboards using **Filament**, **Laravel**, and **MySQL**, integrating features like **real-time notifications** and **API integrations**. Ensured timely delivery of scalable, maintainable solutions.

## Cloudvests

May 2021 - Dec 2021 | Amman

### PHP Developer

Built a system to scrape auction data from multiple sources process it into a unified database, implement advanced filtering. Developed a configurable dashboard for data visualization and management, ensuring scalability and efficiency through optimized backend processing.

## Skills

---

### Backend Engineering

Extensive experience in PHP (Laravel) for building scalable, high-performance backend systems with a focus on robust code and maintainability.

### Microservices & System Architecture

Proficient in microservice architecture, applying SOLID principles, design patterns, and clean architecture to develop resilient, modular systems.

### Search & Similarity Solutions

Skilled in leveraging Elasticsearch and embedding-based methods to enhance search functionality and data relevance.

### Additional Technical Skills

Proficient in reverse engineering, web scraping, and foundational experience with JavaScript and Python for versatile backend capabilities.

### Data Management & Optimization

Advanced skills in *MySQL*, *MongoDB*, *Redis*, *Couchbase*, and *Elasticsearch*, leveraging data solutions for optimized performance at scale.

### Cloud & Containerization

Advanced knowledge of Docker and AWS, implementing containerized, scalable solutions for seamless cloud deployment.

### Automation & DevOps Integration

Experienced in Supervisor, Redis queues, and automation practices to optimize and scale high-volume processing workflows.

### Real-Time Processing & Queues

Expertise in Kafka, RabbitMQ, and WebSockets to support real-time data flow and efficient job processing.

{ } Open-Source

---

<b>DB Copilot - Ai</b> <a href="#">↗</a> Laravel Copilot Database Assistant	<b>XCopilot - Ai</b> <a href="#">↗</a> Share Your Copilot Api with Your Friends , Chat , Build Apps with our APIs	<b>Ray - Laravel Debug Tool</b> <a href="#">↗</a> Revresed Ray Elctron App To Ite's Js Code.
<b>ShowBox - Streaming Api</b> <a href="#">↗</a> Reversed The Api Encryption With The Outgoing Request Payload	<b>Xtreaming - Streaming</b> <a href="#">↗</a> Scarping Media Watching Sources , Decoding , Reversing Captchas,	<b>Classifier - Ai</b> <a href="#">↗</a> zero-shot-classification API

📄 Certificates

---

<b>Backend Summer Training</b> <ul style="list-style-type: none"><li>• Mansoura University</li><li>• May 2019 · Jul 2019</li><li>• PHP &amp; MYSQL</li></ul>	<b>Web Development</b> <ul style="list-style-type: none"><li>• ITI</li><li>• May 2020 · Jul 2020</li><li>• PHP &amp; Laravel &amp; React</li></ul>	<b>Apache Kafka</b> <ul style="list-style-type: none"><li>• Apache Kafka Series <a href="#">↗</a></li><li>• Sept 2024</li></ul>
--	--	---

🏠 Organizations

---

<b>CIS Team MU</b> <a href="#">↗</a> Backend Mentor	Jan 2020 - Mar 2021   Mansoura, Egypt
--	---------------------------------------