

# Mohamed Magdy | Senior Backend Software Engineer

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## About Me

- Software engineer with **+9 years** of experience in backend development
- I used to work with **Php** , NodeJs and **working fine with any other programming languages**.
- I have a very good knowledge in data storages SQL & NoSQL Databases.
- Usually I was assigned to **refactoring legacy code** which gave me enough experience in dealing with any code, no matter how complex it is.
- Working on maintain scalable , reliable and **high available systems**.
- Focusing on **clean code** and architecture to make maintenance easier.
- **Mentoring** junior developers to improve their technical skills.
- Experience in dealing with AI models and exploiting them in integrated solutions, and there is an example of this in the details of the last job experience.

## Experience

<b>Senior Backend Software Engineer</b> Tamkeen Technologies, Saudi Arabia	Apr 2024 – Present (Full Time)
<ul style="list-style-type: none"><li>▪ Building/Maintaining <b>microservices</b></li><li>▪ Design and deliver software designs and <b>architectures</b> for new features and modules .</li><li>▪ Working on <b>scalability challenges</b> to ensure products reliability and availability.</li></ul>	
<b>Senior Backend Software Engineer</b> Trufla Technology, Canada	Dec 2022 – Mar 2024 (Full Time)
<ul style="list-style-type: none"><li>▪ Building Backend of TRUDI plugin (AI Assistant) <a href="https://www.trufla.com/datahub/trudi/">https://www.trufla.com/datahub/trudi/</a> .</li><li>▪ Building/Maintaining <b>microservices</b> with NodeJs (typescript) .</li><li>▪ Building/Maintaining web plugins using native Php code.</li><li>▪ Design and deliver software designs and <b>architectures</b> for new features and modules .</li><li>▪ Working on <b>scalability challenges</b> to ensure product reliability and availability.</li><li>▪ Maintaining pipelines and doing <b>research</b> for improving the process.</li><li>▪ Usually I was assigned to the research and development (<b>R&amp;D</b>) tasks to give clear plan and insights for our next steps in the way of improvements and building new features.</li><li>▪ Exploring &amp; <b>Refactoring</b> legacy code of old plugins then documenting them.</li><li>▪ <b>Mentoring</b> intern/junior developers to improve their technical skills.</li></ul>	
<b>Backend Developer</b> TieLearn , Germany	Nov 2021 – Dec 2022 (Project Base)
<ul style="list-style-type: none"><li>▪ Improve database design for scaling.</li><li>▪ Refactor code base and redesign implemented features.</li><li>▪ Maintain product on scale.</li><li>▪ Deploy and deliver new features</li></ul>	
<b>System Administrator &amp; DB Manager</b> VIP Close Protection	Oct 2020 – Nov 2021 (Military Service)
<b>Full-Stack Web Developer</b> Digital Raves, Nigeria	Jun 2018 – Sep 2019 (Part Time)
<b>Full-Stack Web Developer</b> EgyConnect, Egypt	Jul 2016 – Sep 2020 (Full Time)

## Education

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Bachelor of Management Information System | 2017 - 2020  
Faculty of Computer Sciences & Information System at El Shoruk Academy

## Projects

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### EdNuva Platform [ +100K daily users ]

Scalable and highly available learning management system that innovative technological solutions for the education field specially high-school in Egypt .

- Build the whole Platform from scratch ( System design & Implementation ) .
- Backend Services & APIs.
- Multiple Integrations.
- Deliver new features and mentor system and infrastructure.

### E-Invoice ERP

ERP that help any companies to manage their items , GPC codes , invoices and receipts with integration with Egyptian eInvoicing & eReceipt System

- Build the whole ERP from scratch .
- Integrate Payments gateway.
- Integration with Egyptian taxes eInvoicing platform

### Qp Express System

market leading express delivery and logistics services

- Build ERP system from scratch to manage company business.
- Multiple Integrations.

## +100 WebApp In Diff. fields

## Languages and Technologies

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- **Backend:** PHP (Expert) , NodeJS
- **Frontend:** HTML, CSS , Bootstrap, Javascript, Typescript , JQuery , Vue , React .
- **Frameworks:** Laravel (Expert), ExpressJs
- **SQL Databases:** MySQL, PostgreSQL
- **NoSQL Databases:** MongoDB
- **Caching:** Redis
- **DevOps:** Git , Docker , CI/CD pipelines
- **Testing:** TDD with PHPUnit.
- **Management Tools:** Jira, Trello, Clickup , Slack
- **Monitoring & Observability :** Cloudflare , Sentry , New Relic
- **Others:** Agile/Scrum methodology, Bash scripting.
- **Other Skills :** Software Sales , Documenter , Instructor , Script writer, Photoshop designer , Video editor

## Languages

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- **Arabic:** Mother tongue.
- **English:** B2.