

# Amr Mohamed

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## PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience in designing, developing, and optimizing software solutions across healthcare, education, and no-code platforms. Experienced in full-stack development with a current focus on backend technologies. Skilled in delivering scalable, high-performance solutions using a robust technical toolkit. Proven ability to achieve business goals and exceed client expectations through diverse industry roles.

## WORK EXPERIENCE

### Backend Developer, Outlier - Remote

Sept 2023 – Jun 2024

- Optimized a complex script, reducing its execution time from 3 minutes to 45 seconds significantly enhancing system performance and user experience..
- Executed advanced optimizations and database queries resulting in a 40% reduction in average query time, and enhanced system performance and responsiveness, leading to improved user experience
- Enhanced debugging processes to identify and rectify diverse errors efficiently, including those related to GCP integration; led to a 15% decrease in system downtime and a 20% increase in overall platform reliability.

### Full stack Developer, Upwork - Remote

May 2023 – Aug 2023

- Developed and optimized RESTful API projects and React components, enhancing functionality and user experience.
- Orchestrated the transition of a React application to Next.js, boosting SEO performance and increasing organic traffic by 50%, while improving user retention by 15%.

### Full stack Developer, Codelab - Remote

Jan 2023 – April 2023

- At CodeLap, I created a drag-and-drop form builder, fixed critical bugs, and wrote extensive automation tests, significantly enhancing user satisfaction and platform reliability
- Utilized clean architecture principles to refactor the legacy codebase of the CodeLab platform, enhancing project structure and separation of concerns for improved maintainability and scalability.

### Full stack Developer, Umedmi - Remote

Mar 2020– Dec 2022

- Built a comprehensive patient management system, enhancing healthcare delivery.
- Managed and mentored two interns, guiding them through the evaluation process and actively participating in the selection of new junior developers.
- Assumed responsibility for the management and deployment of Amazon EC2 instances, ensuring the smooth operation of development and production servers
- Built a robust payment system, ensuring secure and efficient transactions.
- Collaborated on a secure chat system, enhancing communication and data privacy.

## SKILLS

**Languages:** HTML, CSS, JavaScript, TypeScript, Java, python

**Frameworks:** NodeJs, NestJS, Express.js, React.js

**Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB

**Caching Systems:** Redis, Memcached

**Cloud:** Amazon Web Services (AWS)

**Messaging Systems:** Kafka, RabbitMQ

**DevOps:** Docker, Kubernetes, CI/CD tools

**Version Control:** GIT, Github, Bitbucket

**Concepts:** OOP, SOLID, Microservices, Clean Architecture, TDD, serverless Architecture, Design patterns

**Soft skills:** Communication, Problem-solving, Leadership, Time Management, Teamwork, Pair Programming

## EDUCATION

Computer science, self-taught	2017 - 2020
Bachelor of Oral and Dental Medicin, Egyptian Russian University	2015 - 2020

## CERTIFICATIONS

• <a href="#">Java Programming for Complete Beginners</a>	Udemy - 2024
• <a href="#">Typescript: The Complete Developer's Guide</a>	Udemy - 2024
• <a href="#">JavaScript Pro: Mastering Advanced Concepts and Techniques</a>	Udemy - 2024
• <a href="#">The Complete JavaScript Course: From Zero to Expert</a>	Udemy - 2023
• <a href="#">NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)</a>	Udemy - 2023
• <a href="#">MongoDB - The Complete Developer's Guide</a>	Udemy - 2022
• <a href="#">SQL - The Complete Developer's Guide (MySQL, PostgreSQL)</a>	Udemy - 2022
• <a href="#">The Complete Git Guide: Understand and master Git and GitHub</a>	Udemy - 2022
• <a href="#">Pragmatic System Design</a>	Udemy - 2022
• <a href="#">GraphQL by Example</a>	Udemy - 2022
• <a href="#">Clean Code</a>	Udemy - 2022

## Projects

### Blog-posts

**Technology:** Node.js, Express.js, Prisma, PostgreSQL, Docker, Swagger

**Github Repo:** [github.com/amrmuhamedd/blog-posts](https://github.com/amrmuhamedd/blog-posts)

**API-docs:** <https://blog-post-ppzc.onrender.com/api-docs/#/>

### Truck-API

**Technology:** Node.js, DynamoDB, serverless, jest, AWS lambda, postman

**Github Repo:** [github.com/amrmuhamedd/truck-api](https://github.com/amrmuhamedd/truck-api)

**API-docs:** [Truck-API-prod \(getpostman.com\)](https://getpostman.com/Truck-API-prod)

### Restaurant-Management-system

**Technology:** Node.js, Nest.js, Mongoose, MongoDB, MongoDB Geospatial, postman

**Github Repo:** [github.com/amrmuhamedd/restuarnts-system](https://github.com/amrmuhamedd/restuarnts-system)

**API-docs:** [Resturants \(getpostman.com\)](https://getpostman.com/Resturants)