

# Amr Mohamed

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## PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience designing, developing, and optimizing software solutions across healthcare, education, fintech, 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

### Full stack Developer, Kashier

July 2024 – Present

- Designed and developed custom woocommerce plugins leveraging WordPress standards to ensure compatibility with woocommerce blocks feature and HPOS.
- Enhance technical documentation for APIs and plugins to support merchants' developer
- Support merchant Developer in the integration process with Kashier
- developed a URL shortener that reduced SMS costs by 25%
- Maintained Kashier plugins and resolved bugs, ensuring stability and user satisfaction.

### Backend Developer, Outlier - [website](#)

Sept 2023 – Jun 2024

- Optimized a complex cronjob script, reducing its execution time from 3 minutes to 45 seconds significantly enhancing system performance and maintaining code readability and maintenance.
- Executed advanced database query optimizations 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.
- Built a tool to seamlessly merge two student accounts without data loss, ensuring data integrity and system consistency.

### Full stack Developer, Upwork

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

Jan 2023 – April 2023

- 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

Mar 2020– Dec 2022

- Built a comprehensive patient management system, enhancing healthcare delivery.
- Designed and implemented an intuitive ICD-10 parsing tool to transform complex medical codes into user-friendly, interactive cards.
- Developed features for enhanced user engagement, including the ability to bookmark, comment, and view detailed medical information.

- Assumed responsibility for the management and deployment of Amazon EC2 instances, ensuring the smooth operation of development and production servers
- Built a robust payment Integration system, ensuring secure and efficient transactions and reconciliation.
- Collaborated on a secure chat system, enhancing communication and data privacy.

## SKILLS

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

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

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

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

**Others:** RabbitMQ, GIT, Github, Bitbucket, Amazon Web Services (AWS)

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

## EDUCATION

**Computer science, self-taught** **2017 - 2020**

**Bachelor of Oral and Dental Medicin, Egyptian Russian University** **2015 - 2020**

## Projects

### Promptify

Transformed a React.js based web application into a scalable Next.js application to improve performance, SEO, and server-side rendering capabilities. Leveraged Next.js's built-in routing and API handling to streamline development and reduce technical debt, resulting in a more maintainable codebase and enhanced user experience.

**Technology:** React.js, Next.js, Redux

**URL:** <https://app.promptify.com/>

### Blog post

A modern, feature-rich blogging platform API built with Node.js, Express, TypeScript, and PostgreSQL. This project follows Modular architecture principles and provides a robust foundation for building scalable blog applications.

**Technology:** Node.js, Express.js, PostgreSQL

**GitHub:** [github repo](#)

## CERTIFICATIONS

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