

Amr Mohamed

Cairo, Egypt | +20 1098305063 | _amrmuhmedd@gmail.com
github.com/amrmuhamedd | linkedin.com/in/amrmuhamedd | amrmuhmedd.com

PROFESSIONAL SUMMARY

Backend-Focused Software Engineer with 5+ years of experience building scalable platforms across fintech, healthcare, edtech, and booking systems. Specialized in **NestJS, Node.js, PostgreSQL, and AWS**, with a strong foundation in **clean architecture, performance optimization, and database design**. Currently expanding expertise in **cloud infrastructure, containerization (Docker), and AWS Solution Architecture** to design high-availability, cost-efficient systems. A collaborative team player with a proactive problem-solving mindset, committed to delivering business-aligned and reliable software solutions.

WORK EXPERIENCE

Full stack Developer, Upwork - (Remote)

Jan 2025 – Present

Developed a comprehensive booking platform, **BookInk**, tailored for small businesses such as barber shops, gyms, and consulting agencies. Key contributions included:

- Designed and implemented a user-friendly customer interface, enabling clients to seamlessly select services, choose dates, specify locations, and provide personal information.
- Integrated secure payment processing by collaborating with Kashier, ensuring smooth and reliable transactions for users.
- Enhanced operational efficiency for businesses by providing a centralized system to manage and view booking details, leading to improved client satisfaction and streamlined reservation processes.

Full Stack Developer, Kashier - (Hybrid)

July 2024 – Jan 2025

- Designed and developed custom **WooCommerce** plugins following WordPress standards, ensuring compatibility with block-based features and HPOS.
- Enhanced technical documentation for APIs and plugins to support merchants' developer
- Supported merchant developers during 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 - (Remote)

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 - (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**

- 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.
- 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:** JavaScript, TypeScript**Frontend:** Html, Css, React.js, Next.js, Redux**Backend:** NodeJs, NestJS, Express.js**Testing:** Jest, Supertest**Databases:** PostgreSQL, MySQL, MongoDB**DevOps & Cloud Infrastructure:** Docker, CI/CD (GitHub Actions, Bitbucket Pipelines)**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 Medicine, Egyptian Russian University****2015 - 2020****CERTIFICATIONS**

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