

Mahmoud Saad

Software Engineer

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GitHub: <https://github.com/Toony-mahmoud-saad>

PROFESSIONAL SUMMARY

Versatile Software Engineer with over 1 year of hands-on experience building, deploying, and optimizing modern web applications. Skilled in both backend and frontend development using Node.js, Express.js, React.js, MongoDB, and MySQL. Solid understanding of software design principles, clean code, and Agile workflows. Strong communicator and problem-solver with a proven track record in delivering impactful solutions.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (Node.js, Express.js, React.js), Java, HTML, CSS, bootstrap

Databases: MongoDB, MySQL, SQL

Concepts: OOP, SOLID Principles, Data Structures, Algorithms, Design Patterns, UML, Agile, Microservices

Tools: Git, GitHub, Postman, Figma, Power BI, PowerPoint, Excel, Google Sheets

EXPERIENCE

Freelance Software Engineer

Remote | 04/2025 – Present

- Developed and launched a full-stack web application for organizational management using Node.js, Express.js, React.js, and MongoDB.
- Worked in a 2-person Agile team, ensuring rapid prototyping and weekly releases.
- Enhanced system efficiency, leading to a 20% increase in productivity through process automation and performance tuning.
- Delivered well-documented APIs using Postman, streamlining client-side integration.

Coding Instructor @ Ischool

DEMI Summer Intake 2 | 07/2025 – 09/2025

- I taught programming to children, simplifying coding and algorithm concepts to help them build games and apps.
- Introduced the Software Development Life Cycle (SDLC), guiding students on how to apply it to build and deploy their own systems.

PROJECTS

ERP Web Application (Repo: <https://github.com/Toony-mahmoud-saad/ERP>)

Engineered backend and frontend features for product and employee management; implemented authentication, REST APIs, and role management.

Auth Library (Repo: <https://github.com/Toony-mahmoud-saad/auth-library>)

Developed a reusable authentication library in Node.js, enabling JWT and role-based security for scalable applications.

Weather Service API (Repo: <https://github.com/Toony-mahmoud-saad/auth-library>)

Built a RESTful weather data API with robust integration of external services and error handling.

EDUCATION

Bachelor of Computer Science

Helwan University, Cairo, Egypt | Oct 2021 – Jun 2025

- Relevant Coursework: JavaScript, Node.js, Express.js

- Graduation Grade: Good

- Major: Computer Science

ADDITIONAL INFORMATION

Soft Skills: Effective communication, mentoring, decision making, problem solving

Languages: Arabic (Native), English (Good)