

George Sameh Magdy

Full Stack Developer | Front-End Developer | Back-End Developer | Fresh Graduated

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Summary

Passionate and detail-oriented **Full-Stack Developer** with **1 year of hands-on experience** building dynamic, responsive, and secure web applications. Skilled in both **frontend development** (HTML, CSS, JavaScript, ReactJS, Angular) and **backend development** (Node.js, Express.js, MongoDB), with a strong focus on delivering complete, production-ready solutions.

Proficient in implementing modern **UI/UX principles, responsive design**, Proficient understanding of code version control, and **RESTful APIs**, with a clear understanding of **authentication, data security, and database integration**.

Led and delivered a complete full-stack graduation project independently, taking full ownership of **project architecture, frontend design, backend API development, real-time communication, and secure user authentication**.

Adaptable, fast learner, and driven by challenges — capable of working both independently and within a team to build clean, scalable, and user-friendly digital experiences.

Experience

SafeGo – Intelligent Driver Drowsiness Monitoring System

(Full Stack – Graduation Project)

Jan 2025 – June 2025

- Independently designed and developed **SafeGo**, a full-stack driver monitoring system that detects signs of **drowsiness or sleep** in real time using the device camera.

- Developed a **Node.js + Express** backend with **MongoDB**, handling secure user authentication (JWT), real-time data updates, and driver trip records.
- Integrated **Socket.io** for live communication between the app and the dashboard, ensuring real-time updates of driver status and location.
- Created an **admin dashboard** for real-time monitoring, visualizing driver states (Awake, Drowsy, Sleeping), and tracking trip logs with location, duration, and incident alerts.
- Focused on **data security**, using hashed passwords, role-based access, and protected API routes.
- Engineered and deployed the entire system handling everything from UI/UX, APIs, real-time logic, authentication, testing, and documentation.

Node.js CRUD API + MongoDB (Back-End – personal project)

Feb 2024 – April 2024

- Built a **RESTful API** from scratch using **Node.js**, **Express**, and **MongoDB** to manage data operations (Create, Read, Update, Delete).
- Designed clean **API routes**, **controllers**, and **middleware** for modular code structure.
- Implemented real-world **data validation**, **error handling**, and **rate limiting** to enhance security.
- Used **Mongoose** to connect and interact with a **MongoDB Atlas** cloud database.
- Secured endpoints using **JWT authentication**, **bcrypt password hashing**, and role-based access control.
- Learned environment configuration, API versioning, and deployment-ready practices.

Landing page for the Bankist app (Front-End – personal project)

May 2023 – June 2023

- Designed and developed a responsive, visually appealing landing page for a fictional banking app using HTML, CSS, and JavaScript.
- Implemented smooth scrolling, sticky navigation, reveal-on-scroll animations, and section transitions to enhance interactivity.
- Focused on user experience with clean layout, mobile-first responsiveness, and intuitive structure.
- Ensured performance optimization, cross-browser compatibility, and semantic, accessible code.

Bankist app (Front-End – personal project)

Feb 2023 – Mar 2023

- Developed a single-page banking web application using modern JavaScript (ES6+), focusing on real-time UI updates and event-driven logic.
- Implemented core features: login, account transactions, balance calculation, loan requests, and account closure.
- Utilized advanced JavaScript array methods (map, filter, reduce, etc.) and timers for auto logout.
- Practiced clean DOM manipulation, animations, and UI updates using event listeners.

eShop fashion Website (Front-End – college project)

Oct 2022 – Nov 2022

- Designed and developed a modern, fully responsive fashion eCommerce web application using HTML, CSS, and JavaScript.
- Created key features like homepage, product listing.
- Focused on clean UI, responsive grid layout, and user-friendly navigation.
- Followed best practices in layout, typography, and performance optimization.

Omnifood – Responsive Landing Page (Front-End – personal project)

Mar 2022 – May 2022

- Built a fully responsive landing page for a fictional food delivery service using HTML5, CSS3, and JavaScript.
- Followed modern mobile-first design and accessibility best practices.
- Implemented features like sticky navigation, smooth scrolling, and animations using vanilla JavaScript.
- Deployed the website using GitHub Pages

Education

🎓 Zagazig University – BSc in Computer Science (2021 – 2025)

Skills

- **Languages:** C++, JavaScript (ES6+), TypeScript
- **Frontend:** React.js, Angular, HTML5, CSS3, Bootstrap, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs
- **Databases:** MongoDB, Mongoose
- **Tools & Platforms:** Git, GitHub, Visual Studio Code, Postman, MongoDB compass
- **Concepts & Domains:** Full-Stack Web Development.

Languages

- **Arabic** – Native
- **English** – Proficient (Fluent in speaking and understanding)