

# Omar Hassan

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## SKILLS

**Technologies:** React, JavaScript ES6+, TypeScript, HTML, CSS, React Query, Redux, React Router, Tailwind, React Testing Library, Playwright, Motion.dev

**Tools:** Git, Figma, Sentry, Postman, React Profiler

## EXPERIENCE

### Glob Studio (Infotik) Frontend Developer

Sep 2024 – Present  
remote

- Achieved a **23% decrease in render time** for an infinite scroll feed by preventing expensive re-renders with React memoization hooks (*useMemo*, *useCallback*).
- Achieved a **78.2% reduction in user-perceived crashes** by re-architecting the app into a feature-based structure and replacing Redux with React Query for server state.
- Expanded device support by 1.56%** by developing a custom responsive component to introduce a unified UI for tablet users.

### Freelance Frontend Developer

Jun 2024 – Present

- Earned '**Top Rated**' status on Upwork by delivering high-quality solutions for multiple clients across diverse industries, consistently maintaining a **5-star** rating and meeting all project deadlines.
- Architected a monorepo using Yarn Workspaces to unify code across web and mobile apps, centralizing shared packages (types, API) and eliminating over 2000 lines of duplicate code.
- Engineered a seamless, multi-step service ordering flow by integrating third-party services, including Google Maps API for location selection and Paymob for secure payment processing.
- Drove a **~15% increase in total orders** by providing service providers a comprehensive profile customization suite, including certification uploads, portfolio galleries, and visual branding options.
- Accelerated feature development velocity by **~2x** by spearheading the migration of a legacy Ruby frontend to a modern, component-based React architecture.

## PROJECTS

### Dynamic Gridline

[npmjs.com/package/dynamic-gridline](https://npmjs.com/package/dynamic-gridline)

- Published an open-source React package for creating high-performance, interactive whiteboards, maintaining smooth animations (**60 FPS**) on **>400M px^2** canvases by utilizing the motion.dev library.
- Configured a modern TypeScript build pipeline with tsup, ensuring broad compatibility by outputting both CJS and ESM modules and correctly bundling CSS modules to avoid downstream style collisions.

### IdeaWall

[ideawall.omarhassan.net](https://ideawall.omarhassan.net)

- Achieved near-instantaneous multi-device synchronization, **maintaining latency under 90ms** by leveraging Supabase's real-time broadcasting feature.
- Built and automated a cross-browser end-to-end testing pipeline with Playwright, which led to a significant decrease in bugs introduced during the development cycle.

### Dashboardy

[dashboardy.omarhassan.net](https://dashboardy.omarhassan.net)

- Engineered a high-performance, fully accessible web application from the ground up using only vanilla JavaScript, achieving **WCAG 2.1 AA** compliance with a **zero-dependency** architecture.
- Achieved Core Web Vitals (**FCP: 0.9s**, **LCP: 1.5s**, **CLS: 0**) by engineering a lightweight, from-scratch routing and layout mechanism that optimized page rendering.

## EDUCATION

Ain Shams University  
Bachelor of Computer and Information Sciences

Cairo, Egypt  
Expected 2028 (GPA: 3.78)