Karim Shalapy
Front-end Developer

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SUMMARY

A front-end developer with 4+ years of experience building quality web apps and tools for B2B and B2C products, and e-commerce platforms. Committed to delivering high-quality products and actively shares technical knowledge through talks and blog posts. Eager to explore new opportunities and continue growing in the field.

WORK EXPERIENCE

Frontend Developer, *Tangent* 07/2024 — present
London, UK (Remotely)
- Contributed to 8+ cross-industry projects, consistently maintaining a 100% on-time delivery rate, even while handling up to 8 projects simultaneously.
- Standardised reusable component patterns across projects, reducing frontend development time by 30% on average for shared features.
- Improved onboarding speed for new developers by 40% by introducing internal UI documentation and consistent architectural conventions.
- Took ownership of refactoring legacy codebases across 5+ projects, improving performance and DX; proactively actioned 100% of flagged TODOs within sprint cycles while aligning with leads and PMs on scope and timing.

Frontend Developer, *TravelYalla (Part-Time)* 09/2023 — 02/2025
Cairo, Egypt
- Built a high-performance SSR search platform for hotel and flight bookings as the sole developer.
- Improved load speed by 20% through SSR and API optimisations.
- Increased user engagement by 25% with a modern UI and payment integration.

Front-end Developer, *Brave Bison* 09/2023 — 07/2024
London, UK (Remotely)
- Leveraged composable architecture with Alokai, BigCommerce Catalyst, and Shopify Hydrogen to build performant e-commerce applications.
- Assumed team leadership responsibilities following the departure of the front-end lead, achieving a 20% reduction in project delivery time.
- Provided mentorship to colleagues on the Alokai stack, including delivering presentations and directly guiding developers working on Alokai projects.

Front-end Developer, *Robusta Studio* 05/2022 — 09/2023
Cairo, Egypt
- Produced, maintained, and modified more than 8 websites and user interfaces using Vue, Nuxt, Astro, Typescript, and React.
- Ensured websites were accessible across multiple platforms, including laptops and smartphones or any screens less than 768px wide.
- Refactored unclean code which boosted performance by around 30% while enhancing the developer experience.
- Reduced website loading by more than 50% by optimizing network requests.

JavaScript Developer, *Nagwa Limited* 03/2021 — 05/2022
Cairo, Egypt
- Wrote modern, performant, maintainable code for more than 4 B2B and B2C projects.
- Worked with React, Typescript, Mathlive, and Slate.js to make bidirectional web apps and tools.
- Produced 10+ physics simulation mini-games using JavaScript and the Canvas API.
- Integrated with Mobile Apps using WebViews in more than 3 apps.

PROJECTS

Reed, *Work Project* 07/2024 — Present
- Main developer across 6 monolithic frontend projects under the Reed account, leading implementation and delivery end-to-end.
- Integrated a custom GoCardless payment provider into Shopify's frontend app, handling all sync points and failure cases—delivered ahead of deadline with 0 bugs reported by QA or the client.

- Reduced GraphQL query sizes by 50% via proper query fragmentation, improving load times and API communication.
- Technologies: Next.js, React, GraphQL, SCSS, Contentful, Shopify, Swiper.js

Tangent Website, *Work Project* ⧉   07/2024 — Present
- Improved cursor responsiveness and project performance by over 90%, eliminating jank and dropped frames by building a lightweight vanilla JS implementation with zero re-renders.
- Rebuilt the carousel with Framer Motion, removing Swiper and cutting animation-related bundle size by ~25%.
- Customized and extended 10+ components from Umbraco CMS to support dynamic content layouts and advanced UI behaviours with full responsiveness.
- Technologies: Next.js, GraphQL, TypeScript, SCSS, Framer Motion, Hubspot, Umbraco

Winparts, *Work Project* ⧉   09/2023 — 07/2024
- Achieved a 50% speed boost in the Product Listing Page (PLP) by optimizing Elasticsearch queries using the Elasticsearch SDK.
- Successfully customized the Alokai SAP CC integration to match the client's legacy system requirements seamlessly.
- Collaborated effectively with Alokai to resolve bugs in their implementation, improving communication and development speed across all parties.
- Technologies: Alokai, Storefront UI, Next.js, TailwindCSS, Tanstack Query, React Hook Forms, Yup, i18next, Storyblok.

Hyperone, *Work Project* ⧉   08/2022 — 01/2023
- Fixed numerous issues in the landing page and the checkout cycle which enhanced the user experience a lot.
- Introduced more than new 5+ big features to the checkout cycle like the loyalty points system which boosted the sales of the company.
- Solo-developed the showroom app to be used in their offline stores which increased total sales by 20% for the client.
- Technologies: Nuxt.js, Vue.js, GraphQL, Villus, TailwindCSS, Swiper.

PUBLICATIONS

React.FC is better than you think! ⧉   11/2024
Explores the evolution of React.FC with modern TypeScript and React versions, debunking outdated misconceptions and presenting practical use cases and trade-offs.

How to make a Curved Cutout to any element ⧉   10/2022
Talks about creating a curved cutout to any element using only HTML and CSS while keeping it responsive.

SKILLS

HTML | JavaScript | TypeScript | React | Next | Vue | Solid.js | Nuxt | Astro | Redux | Redux Toolkit | CSS | Sass/SCSS | PostCSS | Tailwind CSS | Radix UI | ShadCn | GraphQl | Apollo/client | LaTeX | MathLive | MathJax | Firebase | Slate | Express | Node JS | Vitest | Jest | Data structures & Algorithms | Git | Tanstack Query | React Hook Forms | Shopify | Hubspot | Umbraco | Contentful | Storyblok

EDUCATION

Bachelor's Degree in Metallurgical Engineering, *Suez University* ⧉   2012 — 2017
                                                                                      Suez, Egypt

LANGUAGES

- English   - Arabic