

Mahmoud Shawa

mahmoud@shawa.dev | [LinkedIn](#) | [Github](#) | [Portfolio](#)

Summary

- Lead Developer and 2x Founding Engineer (1x acquired).
- Experienced with JSON-based REST API design and implementation.
- Pixel-perfect translation of Figma mockups into responsive, interactive, and reusable UI components.
- Optimizing frontend performance, accessibility, and SEO, using Lighthouse to measure outcomes.
- Modern Functional React & TypeScript specialist - SSR, CSR and performance optimization.
- Building and maintaining an open source TypeScript library.

Skills

Languages: TypeScript | JavaScript | Python | GLSL
Frameworks: React.js | Next.js | React Native | Django | Express.js | Tailwind.css
Infrastructure: Vercel | GCP | AWS | Heroku
Databases: MongoDB | PostgreSQL | Firestore
Other: Git | Github Actions | Jest | Vite | Three.js | GSAP | Framer Motion

Experience

Goodable - Toronto, ON | Lead Developer | [Website](#) | [YouTube](#) | 06/2024 - present

TypeScript - Python - React Native - Django - AWS - Styled Components - Revenue Cat - Firebase

- Led a complete overhaul of the iOS/Android app, written in React Native.
- Facilitated seamless communication between frontend, backend, and management teams, ensuring alignment on project goals and timelines.
- Refactored existing code for better maintainability and scalability.

Callmi Inc - Dubai, UAE (Remote) | Founding Engineer (**Acquired by Brinc**) | [Live Site](#) | 10/2023 - present

TypeScript - Next.js 14 - Vercel - shadcn/ui - Day.js - NextAuth - PostgreSQL - GCP - Prisma

- Developed a modern SSR-first Next.js 14.0 application using the App router, leveraging caching and async React components to optimize infrastructure cost and UX.
- Implemented highly modular and reusable TypeScript code, including custom React hooks, global types and utils.
- Pixel perfect implementation of Figma designs without compromising on SEO or performance

Bountree Inc - Dubai, UAE (Hybrid) | Founding Engineer | [Live Site](#) (Sunset/Unmaintained) | 03/2023 - 07/2023

TypeScript - Next.js - Vercel - Tailwind.css - NextAuth - MongoDB - SendGrid - Intercom - Hotjar - Axiom

- Engineered a responsive and performant SPA that invokes Vercel Serverless Functions (Node.js runtime), providing users with a seamless and dynamic experience.
- Implemented complex features such as a multi-step form for referrals by creating custom React hooks.
- Adopted a cloud-first architecture, scaling costs down to near zero. Simultaneously amassed a disproportionate \$60,000 in contracts during the beta period.

General Assembly - Toronto, ON | Instructional Associate | [Profile](#) | 02/2022 - 03/2023

JavaScript (ES6+) - React.js - APIs - Node.js - Express.js - Python - Django - MongoDB - Material UI - Bootstrap

- Provided hands-on support and guidance to students, assisting them with projects and assignments.
- Effectively communicated complex concepts in an easily understandable manner.
- Consistently received exceptional feedback from students, with an average rating of **4.8/5** on feedback surveys.

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Recent Personal Projects

Shawa.dev | [Github](#) | [Live Site](#) – *TypeScript - Next.js - Framer Motion - Tailwind.css*

- My personal portfolio, developed with a goal of showcasing an animation and image heavy site that also performs exceptionally well on web metrics.
- Used Framer Motion's layout animations to performantly power deliberate layout shifts.
- Uniquely customized with my proprietary npm package "Culler" (shown below), subtly infusing the design with dynamically generated colors on each render.

Joud.shawa.dev | [Live Site](#) – *TypeScript - Next.js - Framer Motion - Tailwind.css*

- A portfolio built for a family member, with similar goals as my personal portfolio.
- Used Framer Motion to build an intro animation, custom scrolling section, and countless interactions.
- High performance, responsive animations without sacrificing UX or accessibility.

Ecomm Store | [Github](#) | [Live Site](#) – *TypeScript - Next.js - Redux - RTK Query - Framer Motion*

- An example ecommerce store frontend with a focus on satisfying animations and interactions.
- Fetch products from a dummy API with RTK Query, and Redux to manage state.
- Interactions include product state transitions, page transitions, and an animated cart icon.

Culler | [Github](#) | [Package](#) – *TypeScript*

- Created a colour utility library using TypeScript, allowing users to generate and manipulate colors.
- Built a user-friendly interface for applying colors to HTML elements or iterables (arrays, nodelists etc).
- Supports IntelliSense type-checking, autocomplete support, and compatibility with both ESM and CJS.

Education

General Assembly, Toronto, ON

Certificate, Software Engineering, 10/2021 - 02/2022

Western University, London, ON

BA in Economics (incomplete), 9/2015 - 1/2018

Fanshawe College, London, ON

Diploma in Accounting, 9/2013 - 4/2015