

# Mahmoud Shawa

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## Summary

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- Built and maintained a profitable SaaS.
- Experienced with JSON-based REST API design and implementation.
- Optimizing frontend performance, accessibility, and SEO, using Lighthouse to measure outcomes.
- Pixel-perfect translation of Figma mockups into responsive, interactive, and reusable UI.
- Modern Functional React & TypeScript specialist - SPAs, UI components and performance optimization.
- Building and maintaining an open source TypeScript library - "Culler", implemented testing and CI/CD.

## Skills

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

## Experience

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Bountree Inc - Dubai, UAE (Hybrid) | Founding Engineer (full-stack) | [Live Site](#) | 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. Amassed a disproportionate \$60,000 in contracts during the beta period while spending roughly \$20 monthly on infrastructure and services.

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 student feedback surveys.

Freelance Web Developer - Remote | [Portfolio](#) | 07/2019 - 10/2021

- Prioritizing responsive design, I developed and enhanced various web front ends using JavaScript, CSS, React, and WordPress, opting for static sites wherever possible for cost, performance and end-user experience.
- Involved in project estimation, delegation, planning and execution process.
- Managed deployments and DNS configurations, ensuring smooth and seamless website launches.

## Education

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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