Karan Norastehnia

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Background

Web developer with a strong focus on front-end technologies, specializing in React, Next.js, and TypeScript. Experienced in building scalable, high-performance applications with modern frameworks and tools like Tailwind CSS, Node.js, and PostgreSQL. Creator of interactive web applications, including a virtual whiteboard and time-tracking tool, showcasing expertise in interactive and responsive design.

Technical Skills

- **Languages:** JavaScript, TypeScript, HTML, CSS / SCSS, SQL (PostgreSQL, MySQL)
- **Technologies:** React, Next.js, Tailwind CSS, Node.js, Express.js
- **Tools:** Git, GitHub, Bash, Figma, Docker

Work Experience

Software Developer   November 2024 – Present

LingoGems   *Montreal, QC*

- Maintained scalable web applications using **Next.js**, **TypeScript**, **and Tailwind CSS**, ensuring a seamless and responsive user experience.
- Designed **PostgreSQL** queries to improve database performance and ensure efficient data retrieval.
- Migrated cloud infrastructure from **DigitalOcean** to **AWS (EC2, S3)**, improving application reliability, scalability, and performance.
- Implemented caching mechanisms with **Redis** to optimize data retrieval and reduce server load.
- Wrote and executed comprehensive tests using **Jest** to ensure application stability and prevent regressions.

Software Developer   February 2024 – November 2024

DataAnnotation Tech   *Remote*

- Performed comprehensive code reviews across multiple technologies such as **TypeScript**, **React**, **Next.js**, and various JavaScript frameworks to validate functionality and responsiveness.
- Enhanced code readability and maintainability through refactoring, leading to reduced technical debt and improved efficiency for future updates.
- Kept pace with dynamic technological advancements in web development to deliver accurate code reviews and enhancements.

Front-End Developer   October 2023 – January 2024

Carbon Floor   *Remote*

- Created a web application that calculates carbon footprints considering transportation modes, freight volume, packaging materials, and warehouse operations with **JavaScript**.
- Incorporated a dynamic pie chart using **Chart.js** to display real-time data on carbon emissions categorization.

Side Projects

Virtual Whiteboard
- Designed and developed an interactive, browser-based drawing tool using **Node**, **TypeScript**, **React**, and **SCSS**; allowing users to create detailed notes and sketches effortlessly.
- Implemented a suite of customizable features, including adjustable stroke color, width, and smoothness, ensuring a highly tailored and intuitive user experience.

Pocket Watch
- Built a lightweight **React** and **Tailwind** application for precise time tracking, featuring an integrated timer, stopwatch, and clock to cover diverse user needs.
- Standardized and streamlined user input processes, ensuring consistently accurate time displays while minimizing manual adjustments.

Portfolio Website
- Crafted a minimalist and visually appealing portfolio website to effectively showcase personal projects, skills, and professional experiences.
- Optimized design for a wide range of devices, screen sizes, and input methods, prioritizing user-friendly navigation and accessibility.

Education

Diploma in Computer Programming   May 2024
Algonquin College   *Pembroke, ON*