

Sunnie Kapar

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Skills

Languages: TypeScript, JavaScript, SQL, HTML/CSS, SCSS, C/C++, Java, VHDL

Frameworks & Libraries: React, React Native, Docker, Next, Expo, Express, TailwindCSS, Bootstrap

Tools: MongoDB, Firebase, Firestore, Supabase, AWS, Git, Node, Figma, Webpack, Arduino, Jira, Sling, MS Office

Projects

- 🔗 **Eco** | *Supabase, React, OpenAI, OpenCV, YOLOv8* Feb. 2024
 - Engineered eco, an app leveraging AI to accurately predict ingredient expiry of 30+ classes of items
 - Reduced query response time by over 50%** by optimizing PostgreSQL queries in Supabase
 - Boosted classification accuracy for real-time food recognition by 97% by refining image processing and detection algorithms using OpenCV and YOLOv8
- 🔗 **Inner Compass** | *MongoDB, Express, Expo Router, React Native, Node* Dec. 2023
 - Designed a personal development app for iOS and Android with goal setting and self-assessment tools
 - Improved app load times by 31%** by implementing lazy loading techniques using React.lazy
 - Integrated RESTful API endpoints to securely retrieve user data from MongoDB
 - Ensured GDPR compliance and user privacy with Clerk Auth, boosting user confidence in data handling
- 🔗 **SolFocus** | *Firebase, Firestore, Express, React, Node* Dec. 2023
 - Developed a web app that uses the Pomodoro Technique with a task tracker to enhance study efficiency
 - Increased site accessibility by 34%** by adhering to WCAG 2.2 guidelines, as measured by Lighthouse
 - Reduced initial page load speed by 12%** by implementing caching using local storage

Experience

- Lead Frontend Developer** Sept. 2022 – Jun. 2023
Craig Kielburger Secondary School Milton, ON
 - Created and deployed **Druiven Box**, a gamified web app using HTML and TypeScript on an educational platform for **1500+ students**
 - Regularly updated website content and SEO metadata to boost SERP rankings and organic traffic
 - Designed and delivered a curriculum for basic frontend development to students, significantly enhancing their skills in React, responsive web design and performance optimization
- Regimental Sergeant Major** Sept. 2017 – Sept. 2023
2990 Lorne Scots Milton, ON
 - Planned and executed various cadet activities for over 150 cadets, including ceremonies, events and community service initiatives, fostering a sense of pride within the unit
 - Mentored 100+ cadets** in discipline and leadership, enhancing team cohesion and personal development

Leadership

- Engineer Ambassador** Sept. 2023 – Present
University of Waterloo Waterloo, ON
 - Directed informative **tours for 2000+ prospective students**, showcasing University of Waterloo's facilities
 - Conducted user research through focus groups to identify student needs and improved website UX/UI to enhance student engagement

Education

- University of Waterloo** | *BASc, Computer Engineering* Sept. 2023 – Apr. 2028
 - Presidents Entrance Scholarship of Distinction (95% + High school avg.)
 - 3.9/4.0 GPA

Other

Interests: Cooking, Baking, Gaming, Weightlifting, Hiking, Canoeing, Travelling