SUNNIE KAPAR

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SKILLS

Languages: JavaScript, TypeScript, Java, C++, HTML/CSS, SCSS
Frameworks & Libraries: React, React Native, Express.js, Mongo, Firebase, Firestore, TailwindCSS, BootStrap
Tools: Git, Node, Vite, Expo Router, Webpack, Snowpack, Arduino, Figma, Jira, Sling

PROJECTS

SolFocus | *Firebase, Firestore, Express.js, React, Node.js*   ⬡
- Developed a user-friendly productivity web application designed for task management
- Enhanced server response time by **optimizing browser caching**, achieving a **12%** improvement in page load speed, leading to a more seamless and responsive user experience
- Improved website accessibility by adhering to WCAG, resulting in a **17% improvement in site accessibility scores**

Inner Compass | *MongoDB, Express.js, Expo Router, React Native, Node.js*   ⬡
- Designed a personal development app for iOS and Android, featuring goal setting and self-assessment tools
- Reduced server response time by 13% through **optimization of Express.js backend routes**, resulting in faster data retrieval and smoother app performance
- Optimized app performance by **implementing lazy loading techniques**, resulting in a 31% reduction in load times
- Ensured GDPR compliance and enhanced user privacy by **integrating secure authentication flows with third-party OAuth services**, boosting user confidence in data handling

Druiven Box | *Snowpack, TypeScript, SCSS, HTML*   ⬀
- Launched an intuitive web application for Craig Kielburger Secondary School, utilized by over 100 students in the computer engineering program to enhance their understanding of Boolean logic and logic gates
- Deployed the web application across 5 classes, offering students an interactive platform to deepen their comprehension of Boolean logic and logic gates
- Streamlined the development process by implementing Snowpack, resulting in a **13% improvement in build time**, optimizing efficiency and reducing development bottlenecks

EXPERIENCE

Lead Frontend Developer   Dec. 2022 – Jun. 2023
Craig Kielburger Secondary School   *Milton, ON*
- Created and deployed interactive quizzes and tools using HTML and JavaScript on our educational platform for over 100 students, leading to a 15% improvement in student information retention
- Educated and guided 10+ students on basic frontend skills, enhancing their proficiency in responsive web design and performance optimization by **teaching Bootstrap, mobile first design, and image compression**
- Collaborated with educators to identify learning objectives and translate them into interactive web-based tools

Regimental Sergeant Major   Sep. 2017 – Sep. 2023
Milton Army Cadets   *Milton, ON*
- **Planned and executed various cadet activities for over 50 cadets**, including ceremonies, events and community service initiatives, fostering a sense of pride within the unit
- **Mentored over 85 cadets** in discipline and leadership, fostering a strong sense of responsibility and teamwork, which enhanced group cohesion and effectiveness
- Coordinated with other unit leaders to plan and execute joint exercises, fostering healthy competition and strengthening inter-unit relationships

EDUCATION

University of Waterloo   Sep. 2023 – Apr. 2028
BASc, Computer Engineering
- Presidents Entrance Scholarship of Distinction (95% + avg.)

OTHER

Interests: Cooking, Baking, Travelling, Weightlifting, UI & UX Design, Full Stack Development