

Daniel Israel

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Passionate Software Developer Specializing in React Native and TypeScript, Building Scalable Mobile Solutions to Transform User Experiences

Experience

Mobile Developer ~ Secrets AI

Jan 2025 - Present

- Architected and built a mobile AI companion app from scratch using TypeScript, React Native, and Expo, delivering a highly refined user experience within 5 months.
- Designed and implemented animations to achieve a refined and upscale app experience.
- Leveraged Expo's ecosystem to streamline development and deployment, enabling fast iteration cycles in a high-pressure environment.

Tools: React Native, Expo, EAS, Typescript, Tailwind, Next JS, Firebase, Push Notifications, Cursor

Mobile Front End Developer ~ Goose Insurance

July 2023 - Dec 2024

Services

- Enhanced mobile app reliability by fixing push notifications, submitting a pull request to the open-source package to resolve issues for the community.
- Took initiative to rebuild the company website, previously loading in 8 seconds per page, using Astro JS produced lightning fast load times. Also cut costs from \$200/month to \$20/month.
- Rewrote portions of the Goose Insurance Mobile App in React Native, adhering to patterns set by the senior engineer, ensuring clean, maintainable, and powerful code.
- Designed and implemented a flexible solution for the backend to control the layout of the policies as needed.
- Reduced website page load times by over 85% by developing an SEO-optimized website.
- Designed simple yet powerful React Native components, such as a Redux-controlled popup system, enabling dynamic UI updates without modifying render code.
- Achieved a 5x reduction in testing time by enabling parallelization via a testing dashboard.
- Wrote a program to prioritize customer feedback, enabling optimal impact of development efforts.
- Designed and built infrastructure enabling dynamic video management for the Goose Insurance application.

Tools: React Native, Astro JS, TypeScript, Redux, Tailwind, Next JS, Firebase, Push Notifications

Full Stack Developer ~ PhoneMe Project UBC

May 2020 - Sep 2023

- Migrated to a serverless architecture with Firebase, reducing operational costs by 97% and enabling scalable conference usage.
- Developed offline-capable poem creation with media upload.
- Designed and implemented 3D search allowing users to discover and browse poems in 3D space.
- Designed a responsive, browser-based UI with Next JS and Tailwind, ensuring compatibility across all screen sizes.

Tools: React Native, Next JS, Firebase, TypeScript, Tailwind, Redux

Full Stack Developer ~BARK Trading

Jan 2022 - Aug 2023

- Ensured trading platform data integrity by debugging and resolving intermittent calculation errors in scheduled cloud functions, ensuring data integrity.
- Cut cloud costs by 60% by optimizing scheduled functions.
- Reduced downtime risks by implementing an automated backup system, safeguarding critical data.

Tools: Electron JS, JavaScript, Firebase, CSS

Personal Projects

FalconTopo

- An app to revolutionize climbing guidebooks, 3D rendered cliffs for climbers.

ChatPlanAI

- A chat application that integrates with LLMs, enabling users to generate and edit documents based on the data from their chat.

Democratic Hackathon Website

- Created a website enabling users to vote and chat thus democratizing the creation of a new hackathon.

Budget SOS Button System for Elderly Care

- Eliminated expensive subscription fees by reverse-engineering a commercial SOS button system for elderly care.
 - Developed a custom script which listens to the network and sends Push Notifications when the SOS button is pressed.

Education

Bachelor of Computer Science – University of British Columbia

Sep 2018 - May 2022

- Specializing in data structures and algorithms, networking, machine learning, computer vision, and functional programming.
- Proficient in Java, C, C++, Haskell, Assembly, Python, TypeScript, and React.
- Hackathon: third place in 2019.
- Notable projects:
 - Implemented lowest-energy seam removal for image resizing.
 - Built a degree planner for BCS students.
 - Developed a machine learning model to predict kidney disease.

Bachelor of Applied Human Sciences – Concordia University (Montreal QC)

Jan 2009 - Dec 2014

- Dean's List recipient for top percentile of academic performance.
- Strengthened leadership, group dynamics, conflict resolution, and interpersonal communication through collaborative projects.
- Research Assistant to two separate projects, and presented at the Social Sciences and Humanities Research Council conference.
- Teaching Assistant.

Demos

- [Goose Insurance](#)
- [EasyHacks](#)
- [ChatPlanAI](#)
- [Social Media Poetry](#)
- [Website Resume](#)