JACOB SHUMAN
SOFTWARE DEVELOPER

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Portfolio https://jacobshuman.ca

Experienced software developer focused on building **scalable** application architectures. Skilled in designing **accessible** and **performant** user interfaces. Proficient in and passionate about leveraging modern technologies to deliver innovative solutions.

Skills

Languages, Libraries, and Frameworks

HTML, CSS, JavaScript, TypeScript, NodeJS, Deno, Bun, Angular, React, Next.js, Svelte, SvelteKit, Ionic, Capacitor, React Native/Expo, TailwindCSS, Astro, Flutter, Dart, SQL, Mongo

Tools and Services

Docker, VSCode, Postman, Git, GitHub, Firebase, Supabase, Slack, Discord, Figma, Cloudflare, Netlify, Vercel, Github Actions

Education

Honours Bachelors of Software Development
Graduated with Honours

Honours Bachelors Degree
Seneca College
January 2021 - December 2023

Computer Programming and Analysis
Graduated with Honours

Advanced Diploma
Seneca College
January 2018 - December 2020

Experience

Technical Manager *~Indigenous Friends Association*
2022 - Present

- Automated deployment pipelines for 3 frontend applications on **Cloudflare Pages** and 5 services on **Railway**, improving efficiency and reducing manual intervention.
- Developed comprehensive documentation on architecture, QA policies, and working protocols. Optimized training for new team members and ensured consistent application of standards.
- Architected a unified messaging system integrating APIs from WhatsApp, Facebook Messenger, Telegram, Slack, and Discord, streamlining cross-platform communication.
- Led the migration of hundreds of users to a new platform, ensuring minimal disruption and maintaining user satisfaction.

Senior Developer *~Indigenous Friends Association*
2021 - 2022

- Implemented automated translation support, enhancing productivity and accessibility across application frontends.
- Developed audio-only "stories" using on-device APIs, leading to a **25% increase** in overall user engagement.
- Designed and built a complex user permissions system, enabling customized individual responsibilities on the social media platform.
- Automated deployments to the Apple App Store and Google Play Store using **GitHub Actions** and **fastlane**, streamlining release processes.

Junior Developer *~Indigenous Friends Association*
2019 - 2021

- Optimized backend performance by refactoring legacy code, improving efficiency and stability.
- Implemented comprehensive QA procedures, significantly reducing post-launch bugs and improving overall platform reliability.
- Led the migration effort to upgrade **Angular**, enhancing platform performance and functionality. Collaborated with developers to resolve breaking changes effectively without side effects.
- Addressed intricate technical challenges through collaborative problem-solving methods, ensuring uninterrupted operations.
- Regularly maintained and updated an indigenous-focused social media app built with **Ionic** and **Angular**.
- Managed deployment and maintenance of Apple App store and Google Play Store listings for the Ionic app.
- Developed and integrated **push notifications** for Apple and Android devices using **OneSignal**.
- Refactored backend server-side functions to leverage **TypeScript**, improving code quality, readability, and maintainability.