

# Isaias Briones

## Software Engineer

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### SKILLS

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**Programming Languages:** JavaScript, TypeScript, Python, Java, PHP, C, C++, Swift, Dart, Bash

**Frameworks & Libraries:** React, NextJS, React Native, Vue, Nuxt, NestJS, Svelte, Laravel, Express, Django, Flutter

**Tools & Platforms:** MongoDB, Postgres, Firebase, Docker, Grafana, Cypress, Playwright

### WORK EXPERIENCE

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#### Dotdash Meredith

Mar 2021 – Sep 2024

*Senior Software Developer 1*

*Edmonton, Alberta*

- Built reusable core image and video components for a React Native application, improving the development process and successfully delivering first alpha release
- Developed a CMS platform for uploading image and video assets streamlining workflows
- Created a web component library that enabled stateful Vue components to be reused across multiple frameworks, making functionality accessible and consistent to more services across the organization

*Software Developer 2*

- Rebuilt design system in collaboration with designers, migrating from Vue 2 to Vue 3 to eliminate technical debt and enhance maintainability, while creating a Storybook for documentation
- Implemented Grafana dashboards to monitor API request health and integrated Google Analytics to track user events, combining metrics from both tools for visibility and improved diagnostics
- Optimized Docker image scripts and integrated PNPM, significantly reducing CI/CD pipeline install and build times across 20+ applications resulting to reduced overhead during QA testing and deployment

*Software Developer 1*

- Streamlined software versioning and automated changelog generation by designing and integrating custom Bash scripts into the CI/CD pipeline, reducing manual overhead and improving deployment accuracy
- Provided functions and a playbook for the incremental migration from Vuex to Pinia, minimizing risk, ensuring continuity of functionality, and preserving the integrity of the micro-frontend architecture across teams
- Organized and led cross-functional meetings with developers and QAs across 6 teams and 11 applications, serving as a tech evangelist for core upgrades, fostering best practices

*Fullstack Developer Intern*

- Initiated the decoupling of a monolithic Express server into a scalable, modular architecture using NestJS microservices, providing the foundation for improved performance and maintainability
- Guided teams to transition their functionalities into independent microservices, enabling them to build and manage their own APIs, fostering autonomy and streamlined development workflows
- Provided demos and support to QAs in conducting end-to-end testing within the new monorepo structure, facilitating efficient test integration and comprehensive coverage

#### University of Alberta

Jul 2021 – Sep 2021

*Research Assistant*

*Edmonton, Alberta*

- Developed a Node.js API server enabling secure video upload, streaming, and storage, implementing robust user authentication and access control mechanisms to ensure data protection
- Configured NGINX as a reverse proxy to expose API endpoints effectively, managing port routing while enhancing security with UFW for traffic filtering and blocking malicious requests
- Built a Flutter application using Bloc, implementing continuous improvements driven by user feedback to enhance functionality and user experience

**Kumon Canada Inc.****Aug 2015 – Apr 2024***Teaching Assistant**Edmonton, Alberta*

- Delivered personalized guidance to young learners, helping them navigate Math and English materials ranging from pre-school to high school levels
- Managed a classroom of 20+ students, each engaged with unique and individualized materials, ensuring progress and productivity
- Assessed and graded student work to evaluate their understanding, while providing tailored recommendations to improve performance and achieve learning objectives

**EDUCATION**

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**University of Alberta****Sep 2018 – Apr 2022***Specialization in Computing Science with Minor in Business**Edmonton, Alberta*

- Studied software engineering, algorithms, software process, product management, database management, computer architecture, and operating systems
- Applied software engineering concepts to develop an Android social media app for a class project
- Worked in a group of 4 to develop an emergency alert mobile app for a client using Flutter