

Jemar Jones

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Professional Experience

Akira

Technical Lead

April 2021 - Present

Software Developer

November 2018 - April 2021

- Lead major projects through refining requirements with product owners, full-stack system design, specing out tickets, organizing work through sprint planning, code review and implementation for the company's patient-facing applications team.
- Working on a suite of multi-platform clinician and patient facing virtual healthcare applications using Typescript, React, Redux, Webpack, Ruby/Grape and various other libraries/frameworks.
- Rapidly developed critical portions of a SaaS virtual appointment solution in response to COVID-19, allowing clinics to move their daily operations online. Received the company's *Leadership Values in Practice Award* for taking the project from idea to clinical use in under 2 months.
- Took a key role in re-implementing and simplifying the patient onboarding system to handle patients from varying sources with complex eligibility criteria, to improve patient experience and reduce load on clinicians/customer support during the onboarding of hundreds of thousands of users.
- Increased fault tolerance in the delivery of critical emails by creating an email templating microservice supporting hot-swapping of email courier APIs. This included designing a system to allow easy generation of emails with varying branding, messaging, and internationalization using Typescript, Node.js, Fastify, and Nunjucks.

Konrad Group

Software Developer

May 2018 - November 2018

Software Developer Intern

January 2017 - August 2017

- Developed full-stack features for client projects using React, Redux, Webpack, Node.js with Express, C#, and various other libraries/frameworks.
- Created and maintained React frontends for internal web applications for managing employee time off, project time tracking, and the company directory used by 200+ employees.
- Maintained mission critical backend logic for the above applications using C# and Node.js, with near complete test coverage.
- Developed pixel-perfect, responsive prototypes to close major clients under tight request-for-proposal deadlines.

CIBC Live Labs

Innovation Engineering Intern

May 2016 - December 2016

- Collaboratively developed experimental products including a bill splitting tool and a reinvented mobile banking app using Android, Firebase, Spring MVC, Python, and other technologies.
- Coached new interns in collaborative techniques of Scrum process, Git, and GitFlow.

McMaster University

Teaching Assistant

September 2015 - April 2016

- Reviewed and marked 100s of Python and Java programming assignments for multiple courses.
- Created instructional materials to introduce programming fundamentals to first and second year software engineering students

Pulse Microsystems

IT Assistant

May 2015 - August 2015

- Revitalized a legacy web app to be more maintainable and mobile responsive.

Education

Bachelor of Engineering (2013-2018),

Software Engineering (Co-op), McMaster University, 3.19/4.00 Equivalent GPA

Skill Summary

Proficient with

- *Frontend Web*: Modern JavaScript/Typescript, HTML, CSS/SCSS, React, Redux, Webpack, and jQuery.
- *Backend*: Ruby with Grape, Node.js, Express, Fastify, NestJS, and SQL.
- *Development Practices*: Git & GitFlow, Code Review, and Agile/Scrum.

Experience with

- *Build/Workflow Automation*: Github Actions, Gradle, and Grunt
- *Mobile*: Android, and iOS with Swift.
- *Other Technologies*: Java, Python, C#, and Spring MVC.

Projects

MOTY - <https://manageroftheyear.me>:

Since 2017 I've been obsessively following a competitive movie trivia show. One thing myself and others have taken to doing is participating in yearly fantasy leagues for this show, complete with drafts of competitors. In the past, these have usually been run by hand, which really isn't my style. So I built a web app to organize and automate these fantasy leagues and now have about 100 users. It's a responsive site built with TypeScript, Node.js, NestJS, TypeORM, PostgreSQL, React, Webpack, HTML, and SCSS.

MacCoin - <http://maccoin.jkjonas.me>:

Every year, graduating McMaster engineering students build elaborate farewell pranks. In 2018 at what seemed like the height of novelty cryptocurrencies, I built the frontend for MacCoin with React, HTML, and SCSS. 2,712 unique wallets would be created and 840 transactions processed in the following 2 days.

Open Source -

<https://github.com/JemarJones>:

Whenever something is missing from a piece of open source software that I'm relying on, I like to help fix those problems. In the past this has lead me to being a maintainer of jQuery Flip (<https://github.com/nnattawat/flip>), and to contributing to projects like Airbnb's react-dates library, among others.