AVERY QUINN

Full Stack
Software Engineer

CONTACT

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✉️ hello@aquinn.ca

🏠 Winnipeg, MB, Canada

🌐 aquinn.ca

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EDUCATION

B. SC. COMPUTER SCIENCE
University of Manitoba
2011

SKILLS

// TECHNICAL

- Web, Server & Desktop Applications
- React / Node
- TypeScript / JavaScript
- Swift / SwiftUI
- Clojure / Functional Programming
- Ruby / Ruby on Rails
- Testing / Test Automation / CI/CD
- UI/UX / Graphic Design

// PROFESSIONAL

- Project Roadmapping
- Software Architecture
- Technical Writing/Typesetting
- Empathetic Communication
- Mentoring & Team Leadership

With experience in community management, event planning, business strategy and development.

SUMMARY

Highly skilled and adaptable Full Stack Software Engineer with over a decade of experience in designing, architecting, and implementing web applications & distributed systems.

Diverse expertise in web, macOS, and mobile app development, with a focus on TypeScript/React, functional programming, and automated testing. Demonstrated ability to organize and solve complex problems while delivering innovative and robust solutions. Seeking a challenging remote position that capitalizes on technical proficiency and problem-solving acumen.

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER
Remotion | May 2022 – April 2023

Designed and implemented robust solutions ranging from web applications and design, to remote messaging, teleconferencing and authentication systems. Notable projects include integration of WebRTC for low-latency remote control features.

This highly autonomous role saw me collaborate with cross-functional teams to deliver reliable, scalable, and high-quality software solutions in a fast-paced startup setting. My responsibilities included mentoring junior developers, leading projects, and presenting upon new features & advancements to various stakeholders.

Typescript • React/Node.js • Swift • Software Architecture • Google Cloud (Services, Deployments)

CO-FOUNDER, MARKETING & OPERATIONS
Closet Space | 2019 – 2020

Partnered with a fashion consultant to launch a thrift store delivering low-cost clothing to Winnipeg's Transgender, Non-binary and 2SLGBTQNIA+ community.

CBC: "Closet Space launches first popup shop for gender diverse Winnipeggers" (bit.ly/cs-cbc)

Entrepreneurship • Marketing • Operations • Graphic Design • Typesetting

FOUNDER, SOFTWARE CONSULTANT
Homegrown Labs, Inc. | 2014 – 2020

Upon returning to Canada, I founded a software consultancy specializing in CI/CD automation and the development of probabilistic simulation testing for established financial technology companies. Later our work would shift towards delivering robust user interfaces tailored for managing loans and clinical trial administration.

In my duties, I advised executives, managed sub-contractors, led teams to delivered critical projects using tools like Clojure, React, Amazon Web Services, Docker and a variety of relational/non-relational databases. Some past clients include:

Reify Health ● Clinical Trial Administration

Augmented staff capacity for the design & development of web applications intended for use in a clinical setting. The sensitive and private nature of this work necessitated a focus on information architecture, statistical analysis and visualization of data; To this end, I was fortunate to receive training from seminal author of "The Visual Display of Quantitative Information," Edward Tufte. [*link*]

Clojure(Script) • React • Information Architecture • UI/UX • Frontend • AWS • Medical Technology

Funding Circle ● Financial Technologies (Loan Administration)

Provided a mixture of short and long-term engagement on projects ranging from advice/consultation on testing, to engineering and mentoring contributions building internal tooling for management of loan approvals.

Clojure(Script) • React • Simulation Testing • Fullstack • Consulting • AWS • Docker

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SOFTWARE CONSULTANT   Cognitect, Inc. (née Relevance) | 2012 – 2014

Learned the craft of software consulting & software architecture under the tutelage of industry experts like Rich Hickey, Michael Nygard and Stuart Halloway in Durham, North Carolina. Our practice ranged from agile development of web applications for startup and e-Commerce clients, to backend-focussed logistical systems for clients like Staples, Home Depot, and Saks 5th Ave.

In addition to my responsibilities embedding in client teams, I contributed to the companies open-source projects through content creation, engineering, community management, and speaking engagements local & abroad.

Clojure • Ruby/Rails • Software Architecture • Consulting • AWS • Fullstack

SENIOR SOFTWARE DEVELOPER   Jesta Digital | 2011 – 2012

As a senior software developer at a forward-thinking photo sharing startup, I leveraged Scala to construct and optimize backend services, enhancing scalability and user interaction. Additionally, I skilfully employed Objective-C and Cocoa to design and extend our desktop application. This role fortified my technical expertise and fostered cross-functional collaboration for effective and innovative software delivery.

Scala • SQL/NoSQL • Objective-C • Backend & Desktop Development

LEAD SOFTWARE DEVELOPER   Nimonik | 2010 – 2011

At Nimonik, a pioneering environmental compliance service, I assumed a pivotal role in the maintenance and augmentation of our web, server, and mobile elements. Serving as its sole engineer, I adeptly managed a diverse technological landscape encompassing Ruby, Rails, Postgres/MongoDB databases, and iOS/iPad development. This multifaceted responsibility underscored my capacity to uphold seamless operations while proactively expanding our offerings, ultimately contributing to the company's mission of driving environmental sustainability.

Ruby • Ruby on Rails • Objective-C • SQL/NoSQL • Full Stack Development

JUNIOR SOFTWARE DEVELOPER   CanadaDrugs.com | 2010 – 2011

In my initial role at CanadaDrugs, I thrived as a Ruby & Rails developer, instrumental in constructing efficient order and inventory management systems for an online pharmaceutical enterprise. This experience underscored my ability to streamline critical processes, ensuring smooth operations within a dynamic e-commerce environment.

Ruby • Ruby on Rails • Oracle/SQL • Frontend Development

NOTABLE WORKS

Clojure Remote   Online | 2016, 2017

Organized a technical conference with two tracks, 20+ speakers and over 200 attendees from five continents.

Deploying Docker to AWS   Infinite Skills / O'Reilly Publishing | 2015

Authored and produced a video series instructing developers how to to deploy Docker-centric applications and systems onto Amazon Web Services using CloudFormation.

Clojure Cookbook   O'Reilly Publishing | 2013 – 2014

Authored a programming "Cookbook" for the Clojure programming language with the aid of over 50 community members. My responsibilities included soliciting/editing contributions, authoring recipes & forewords, as well management of design, marketing, & social media. *(clojure-cookbook.com)*

References available upon request.