

# Avery Quinn

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## Professional Summary

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Staff-level full-stack engineer specializing in Developer Experience, high-volume e-commerce, and applied LLM evaluation with 15 years of coding and 10 years of consulting.

Proven leader of large migrations (React → Next.js), CI/CD acceleration, and cross-functional mentoring while shipping resilient, observable systems.

Seeking opportunities that prioritize clarity, intuitive design & effective communication, where my skill bridging technical depth with user-focused solutions can drive meaningful impact.

## Education

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### University of Manitoba

*B.Sc. Computer Science*

*Winnipeg, MB, Canada*

*Jan 2008 – May 2011*

- Dean's Honour List, **GPA: 3.74/4.0**

### Edward Tufte

*Course on Presenting Data and Information*

*Apr 2020*

- Instructed upon the finer details of the *visual display of quantitative information* by luminary Edward Tufte.

## Experience

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### Senior Software Developer / Consultant

*Orium*

*Remote / Canada*

*Oct 2023 – present*

Staff engineer driving LLM agents, DevEx metrics, and React→Next.js modernization for e-commerce clients in consumer, telecom & healthcare.

- Scaled LangGraph/Stagehand agent toolkit, closing sales and accelerating prototype velocity.
- Ran recurring *DevEx in Action* survey; insights now shape quarterly OKRs.
- Led 250 K-LOC React → Next.js refactor powering NordicTrack/iFit storefront.
- **Technologies:** TypeScript · Next.js · React · React Query · LangGraph · OpenAI API · commercetools

### Senior Software Engineer

*Remotion (acquired by OpenAI)*

*Remote*

*May 2022 – Apr 2023*

Auth, protocol and "legacy-system" specialist responsible for sweeping refactors, secure, low-latency collaboration features in the video-communication platform later acquired by OpenAI.

- Implemented WebRTC signaling and handshake flows in TypeScript and Swift.
- Deployed GCP-native infrastructure for distributed rendering and presence sync.
- **Technologies:** TypeScript · Swift · WebRTC · Node.js · Firebase · Google Cloud

### Co-founder / Marketing & Operations

*Closet Space*

*Winnipeg, Canada*

*Jan 2019 – Dec 2022*

Co-launched pop-up thrift shop providing low-cost clothing for Winnipeg's transgender & 2SLGBTQ+ community; led marketing, inventory, and daily ops.

- CBC: "Closet Space launches first popup shop for gender diverse Winnipeggers" ([article](#))

### Founder / Principal Consultant

*Homegrown Labs*

*Remote / Canada*

*June 2014 – June 2020*

Founded a boutique consultancy delivering probabilistic simulation testing, CI/CD automation, and data-dense UI design for fintech and life-science clients.

- Funding Circle — introduced property-based simulation tests and automated pipelines, cutting release regressions and accelerating development.
- [Reify Health](#) — developed Clojure(Script) modules for patient-enrollment and site-monitoring dashboards, integrating secure FHIR APIs and role-based access controls.
- **Technologies:** Clojure(Script) · React · AWS · Docker · PostgreSQL

### Software Engineer / Consultant

*Cognitect*

*Durham, NC*

*Feb 2012 – May 2014*

Built data-centric Clojure and Ruby services for Fortune-500 retail clients, focusing on search, personalization, and event streams.

- Staples — delivered Clojure & Datomic-based early generative e-commerce promotions.
- Saks Fifth Avenue & Home Depot — migrated key services to Clojure & other functional technologies
- Alongside client work contributed to open-source projects through content creation, engineering, community management, and speaking engagements.
- **Technologies:** Clojure · Ruby/Rails · Datomic · Kafka · AWS

### Software Developer / Junior → Senior

*Various Startups & Agencies*

*Remote / Canada*

*Jan 2010 – Dec 2012*

- Held progressive roles at CanadaDrugs.com, [Nimonik](#) and Jesta Group.
- **Technologies:** Ruby/Rails · MongoDB · AWS

## Projects

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### [Tastoids](#)  an Algebra of Taste

*May 2025 – present*

(Preprint) Open-source *algebraic* preference & recommendation engine able to *blend* thousands of vector embeddings per second. See also: [Intro à la Tufte](#)

### Clojure Remote (conference)

*Online*

Organized a remote conference boasting two tracks, 20+ speakers and over 200 attendees across five continents.

*2016, 2017*

## Skills

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**Front End:** Next.js · React · HTMX · Chakra UI · TypeScript · Stripe

**Back End & Data:** Node.js · Clojure · PostgreSQL · DynamoDB · Redis · GraphQL · AWS (Lambda, S3, CloudFront) · Docker · Terraform · Kubernetes

**Testing & Quality:** Playwright · Jest · CI/CD · GitHub (Actions)

**Leadership:** Technical mentoring · Architecture & Review · DevEx metrics · Stakeholder communication

## Extracurricular Activities

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- Organizer for the [Manitoba Women's Pinball League](#) and presently **714th worldwide (QTR)** by the IFPA.
- Avid adventure cyclist, logging upwards of 1,000 km/year on a *cheese-yellow Surly Ice Cream Truck*.

## Publications

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### [Clojure Cookbook](#)

*Mar 2014*

Co-authored the Clojure Programming languages entry in O'Reilly's venerable *Cookbook*-series.

- Released as open-source, the book remains at **2.6k stars** on [GitHub](#)
- Credited as *Ryan Neufeld*

### Deploying Docker to AWS

*O'Reilly Publishing*

Authored and produced a series of instruction screencasts.

*2015*

- **Topics:** Docker, Amazon Web Services and CloudFormation.