

# Tristan Secord

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## ABOUT ME

I am passionate about the industry with a penchant for designing and building functional back-end systems that run at scale. I am interested in exploring innovative technologies as possible solutions to architectural problems. I am also interested in participating in macro-level discussions focused on business strategy with tactics in computer engineering.



**Queen's University**  
Bachelor in Computer Engineering  
2010-2015

## Languages/Frameworks

Elixir / Phoenix, Ruby on Rails, React Native, JS,  
Vue.js, Elm, Swift

## Databases/Query Languages

PostgreSQL, GraphQL, MySQL

## Devops

Docker, Kubernetes

## EXPERIENCE

### ***theScore – Sr. Software Developer***

February 2019 – Present

*Languages and Tools:* Elixir/Phoenix, GraphQL, Absinthe, PostgreSQL, Redis, Mnesia, gRPC

*Devops:* Kubernetes, Shipit, CircleCI

#### Sportsbook-API team:

- Built the back-end for theScoreBET, theScore's new betting application, in Elixir/Phoenix with a GraphQL interface. Involved in development for each of theScoreBET's three currently operating states - New Jersey, Colorado and Indiana.
- Provided clients with all relevant data and endpoints needed to build mobile applications, keep up-to-date odds for gambling, and successfully place bets.
- Handled any proxying of requests to other internal Score services and external third party services.

#### GeoComply team:

- Developed a service within Sportsbook-API that determined a user's location when interacting with the application (this service would determine a user's ability or inability to gamble/place bets).
- Used a third party service, GeoComply, to abide by Division of Gaming Enforcement (DGE) terms for release in any U.S. state.
- Built MVP using Google maps API as a preliminary check to GeoComply in order to reduce load and cost.

#### Airtime team:

- Designed and built a new service that could handle cross-platform push notifications from all applications at theScore (this service would need to be able to handle a very high load, millions of push notifications coming from multiple services at any one point in time).
- Leveraged Google Cloud PubSub, Google Cloud Functions, and Firebase on top of the base Airtime application written in Elixir/Phoenix.

#### Edgebook team:

- Handled all user specific data within borders of current state, and handled any necessary cross-state data transfers.
- Reinforced infrastructure/hardware to be stood up in each individual state.
- Managed communication between internal score services and Edgebook through gRPC protocols.

## **Mosaic Sales Solutions – Software Engineer**

January 2017 – January 2019

Languages and Tools: Ruby on Rails, Phoenix/Elixir, MySQL, PostgreSQL, Javascript, React Native, Vue.JS, Go, Elm

Devops: Rancher, Docker, Kubernetes, Azure

### **ShoppingCart:**

- Expanded the `ShoppingCart` application in an initiative designed to secure Walmart as new client.
- Implemented changes to overall behaviour of application to conform to Walmart's specific needs without compromising existing functionality.
- Included significant enhancements to the engine of application, built in Ruby on Rails, in order to boost response time and decrease overall load on server.

### **Vendor Portal:**

- Lead a team of two developers and two quality engineers to design a public application leveraging a subset of functionality from the enterprise application, ShoppingCart.
- Built a public interface allowing any small vendor access to the ShoppingCart engine.

### **Devops:**

- Worked on an enterprise wide data management system as part of the DevOps team.
- Established continuous integration and delivery of applications leveraging Azure DevOps Services.

## **Freelance Developer**

September 2015 – December 2018

Languages and Tools: Elixir/Phoenix

Devops: Rancher, Docker

- TuneVu: Created a podcast enhancing application designed with an Elixir/Phoenix back-end and an Elm front-end.
- Design4Lean: Designed and hosted a marketing website with a content management system built in Elixir/Phoenix.
- Physiotherapy on Lakeshore: Designed, hosted and maintained a mobile application and website for marketing purposes to help a physiotherapy company in Port Credit.
- Nicole Lewis Photography: Designed, hosted and maintained a website for marketing purposes to help an online photography company.

## **CutCom Inc. – Full Stack Software Engineer**

June 2015 – April 2016

Languages and Tools: Javascript, Visual Basic .NET, Appcelerator Titanium, signalR framework

- Developed mobile applications in JS leveraging Appcelerator Titanium for cross-platform development. Developed school dashboards/CMS in Visual Basic .NET
- Developed fully dynamic mobile applications following a simple template that could be re-branded and feature flagged to create brand new mobile applications specific to that school.
- Developed Virtual Walkhome – student safety feature, tracking late night walks home with built-in alert system in case of emergency.
- Developed Geofence – application feature flagging based on user location.
- Helped secure a significant growth in sales from U.S. schools due to newly developed features including 'Virtual Walkhome' and 'Geofence'.