

EDUCATION

University of Waterloo

Class of 2024

Bachelor of Applied Science in Computer Engineering

Relevant Coursework: Systems Programming and Concurrency, Real-Time Operating Systems, Software Design and Architectures, Programming for Performance, Database Networks, Computer Networking

SKILLS & TECHNOLOGIES



EXPERIENCE

theScore

Software Engineer

Sep 2023 – Dec 2023

- Improved business-critical ingestion systems of **5** data providers for real-time sports data using **Elixir/Phoenix** and **Rails**, enabling the **4.1 Million** monthly active users on the premiere sports media platform
- Reduced developer debugging time by **15%** by designing and implementing a file-archiving pipeline using **PostgreSQL** and **AWS S3** for payloads from data providers
- Deployed data monitoring solutions using **Datadog** and **Splunk**, creating custom dashboards to oversee key performance indicators, service uptime, data ingestion metrics, and service-level agreements
- Integrated a sports data source via a **persistent SSE connection** in **Elixir** for continuous replay of historical NFL games, testing real-time data ingestion resilience during core service updates

Drop

Backend Developer

May 2022 – Aug 2022

- Reduced fraud rates by **60%** by designing and implementing a back-end service in **Rails** and **Postgres**, featuring a purchase limit check algorithm to protect the integrity of the loyalty-point system
- Enhanced internal admin portal by developing tools with **ActiveAdmin** and **Rails**, streamlining user management for marketing and customer service teams, boosting efficiency and customer engagement
- Boosted user engagement by **80%** after updating existing models with important fields to accommodate new redemption item
- Implemented test suites with **RSpec** and type checking with **Sorbet** to ensure code reliability

XE.com

Full Stack Developer

Sep 2021 – Dec 2021

- Developed new information card component with **React** and **Next.js** to standardize content layout on all XE marketing pages
- Reduced Cumulative Layout Shift by **35%**, increasing visual stability across pages to improve user viewing experience
- Modelled and implemented pages in **Contentful** as part of a modernization of XE's category pages
- Increased user traffic by updating metadata to promote XE's **Search Engine Optimization** visibility

Remitbee

Full Stack Developer

Jan 2021 – Apr 2021

- Optimized queries in a **MySQL** database to decrease core platform load times by **15%**
- Implemented crucial bug fixes in **React** and **Redux**, improving client portal functionality
- Developed streamlined page templates with **React** and **Strapi CMS** by designing new components and refactoring existing code to be more dynamic
- Updated backend transaction flows using **Next.js** and **GraphQL** in preparation for new user group