

MICHAEL MARGEL

Senior Software Developer

Contact

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Education

MSc in Applied

Computing

University of Toronto

2015

Honours BSc

Computer Science

University of Toronto

2013

Front-end Skills

React

TypeScript

JavaScript

Jest

Back-end Skills

Ruby

Rails

C#

GraphQL

SQL

RSpec

Interests

Dogs

Baking

Gardening

Kickboxing

Travelling

Reading

Gaming

Photography

Work Experience

Shopify

Senior Full-Stack Developer, Pricing & Billing, Shopify Logistics Mar 2022 - May 2023

- Contributed to a number of projects that helped create a unified billing experience between Shopify and Deliverr, which allowed us to host stores on Shopify, but leverage the existing Deliverr billing pipeline.
- Led the “V6 billing project”, a cross-disciplinary follow-up to the “V5 billing project” (below); this was an effort to backport the existing billing structure from Deliverr to Shopify, which would ease the future transition to Deliverr’s billing pipeline
- Led a series of workshops to help my team learn TypeScript
- At the time of layoffs, I was prototyping a project that would allow us to automatically bill for value-added-services in the warehouse, such as lot tracking, hazardous materials, and delivery duty paid international shipping

Tech Stack: Ruby, Rails, React, TypeScript, Node.js, GraphQL, SQL, Knex, Jest, RSpec, AWS

Full-Stack Developer, Pricing & Billing, Shopify Logistics

May 2021 - Mar 2022

- Responsible for maintaining code that invoices merchants for fulfillment services and sends invoices to Shopify’s billing system, as well as building the UI used to improve merchant visibility into these charges
- Was a key contributor on the “V5 billing project”, where we redesigned how pricing is structured and managed; I was involved in the proposal and design stages of this project and led the implementation efforts to support our new “V5” price cards
- Led a project to retrieve historical pricing data for merchants for use by the operations team in addressing billing disputes
- Took initiative to address sources of significant technical debt
- Contributed to other projects, including those that allowed merchants to ship in their own containers (SIOC), automatically charge merchants for noncompliant inbound shipments, and change how charges are presented to merchants

Tech Stack: Ruby, Rails, React, TypeScript, GraphQL, SQL, Jest, RSpec, git

Full-Stack Developer, Internal Clients, Shopify Logistics

Dec 2019 - May 2021

- I was instrumental in a highly-successful project to replace the legacy admin console with a React-based console; this was a cross-disciplinary project that would significantly improve the efficiency of the operations and support teams
- Led the final stage of this project, where we rebuilt the entire navigation experience to better align with our users’ workflows; I was responsible for the proposal, design, meeting with all stakeholders from, creating the task breakdown, and supervising and participating in the final implementation

Tech Stack: Ruby, Rails, React, TypeScript, GraphQL, SQL, Jest, RSpec, git

Shopify (cont.)

Squad Lead, Plus Support

May 2018 - Dec 2019

- Supervised a team of 7 front-end developers distributed among 3 time zones
- Primary responsibilities included assigning tasks, monitoring team performance, and holding weekly one-on-ones to coach and help guide members of my team
- Developed and led initiatives to develop a number of tools to improve our department's operational efficiency, some independently
- Spearheading the creation of an internal team dashboard, which improved transparency into the team's aggregate performance; this project created learning and mentoring opportunities for many members of my team outside of what the team would normally experience, allowing many to later move into developer roles

Tech Stack: Ruby, React, JavaScript, Node.js, git

Front-End Developer, Plus Support

Apr 2017 - May 2018

- Communicated with enterprise-level merchants to implement feature requests and bug fixes on their Shopify stores;
- Significantly improved my interpersonal skills, as these interactions often involved empathizing with frustrated merchants to de-escalate the situation, as well as explaining the issue and solution in a non-technical manner, so as to maintain merchant trust

Tech Stack: Ruby, JavaScript, Liquid, HTML, CSS, git

Synaptive Medical

Application Developer

Jul 2015 - Feb 2017

- Developed features and implemented fixes for BrightMatter Plan and BrightMatter Guide, programs used to plan and perform neurosurgery procedures
- Other tasks included optimizing our calibration process, writing a theme engine to allow users to change the colour scheme of the app, incorporating dependency injection, rewriting large parts of our testing suite, and tackling technical debt

Tech Stack: C#, .NET, WinForms, NUnit, NSubstitute, Subversion

Toronto Rehabilitation Institute

Software Developer

May 2014 - Jul 2015

- Sole developer in for a long-term project to investigate adherence to government-mandated handwashing practices in multiple Toronto-area hospitals
- Created an app to help housebound adults socialize and exercise together
- Projects included porting drivers from C++ to C#, writing software to determine viewer retention for informational videos in the building lobby, and writing Matlab scripts to assist with research projects

Tech Stack: C++, C#, .NET, WPF, Matlab, Unity3D, Kinect, MSSQL

Past Projects

You can find a more detailed list of my past projects on my website, at <https://margel.ca/projects>