

# FELIX CHEN

## Software Engineer

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📍 Toronto, Canada

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## EXPERIENCE

### DevOps Developer Intern

#### IBM

📅 05/2020 – Present

📍 Remote

- Engineered client self service using Kubernetes, MongoDB, Ansible, and Rundeck, eliminating 15% of Salesforce cases
- Reduced toil using Ansible, Python, Github API, Bash and PowerShell
- Provided IBM Cloud SaaS offerings on Kubernetes, Docker and Windows for 3600+ environments by leveraging PagerDuty, LogDNA and NewRelic

### Software Engineer Contract

#### Safe Sign

📅 10/2020 – 01/2021

📍 Remote

- Engineered custom form creation, form responses and user administration
- Leveraged React, MongoDB, TypeScript, JWTs, Bootstrap and Heroku

### Information Developer Intern

#### IBM

📅 09/2018 – 04/2020

📍 Toronto & Remote

- Created 10+ dashboards, question classification and a rewards program, increasing Stack Overflow db2-luw followers by 53%
- Delivered a Socket.IO collaborative issue tracker, documentation health checker, wiki cloner and documentation crawler
- Automated support paging using PagerDuty, Slack API and serverless functions, saving thousands of hours spent monitoring Slack

### Software Developer Intern

#### Extreme Networks

📅 01/2018 – 04/2018

📍 Toronto

- Automated nightly tests using Python's Selenium for Chrome and Firefox
- Administrated 4 Linux VMs, managed dependencies and resources
- Supervised 120+ sanity and nightly tests, identifying bugs to developers

## PROJECTS

### Calcifer

- Created on demand Kubernetes, Docker and programming language sandboxes with a collaborative real time text editor and terminal
- Utilized Nginx, MongoDB, Redis, ShareDB, Socket.IO, Angular and Monaco

### Web-Watcher 🐙 🔗

- Developed a Kubernetes application to notify users when web pages change
- Used React, AWS, Go, IBM Cloud, JavaScript, Python, JWTs and CouchDB

### Nitrus 🐙 🔗

- Engineered a Socket.IO application where users vote on a Spotify queue and listen to the most voted track, used React, Spotify API and Azure

## EDUCATION

### HBSc Computer Science

#### University of Toronto

📅 09/2016 – 04/2022

- Specialist in Software Eng.
- Minor in Statistics

## LANGUAGES

TypeScript JavaScript C  
Python Java Go Haskell  
Bash PowerShell

## TECHNOLOGIES

### SRE

Kubernetes, Docker, Ansible, Rundeck, LogDNA, New Relic

### Cloud

AWS, Azure, IBM Cloud, GCP, Digital Ocean, Heroku

### Frontend

React, Angular, WebRTC, jQuery, JWT, Cookies, Bootstrap, Google Material Design, IBM Carbon Design

### Backend

Express, Socket.IO, Flask, ShareDB

### Databases

MongoDB, Redis, PostgreSQL, CouchDB

### Integrations

GitHub, Slack, Spotify, SendGrid, Stack Overflow

### Machine Learning

Neural Networks, Classification, Regression, Clustering, NumPy, PyTorch

## CERTIFICATES

- Containers, K8s and Istio
- IBM Cloud Kubernetes Service
- Docker Essentials

## VOLUNTEER

### Robot Design Judge

#### FIRST

📅 12/2018