FELIX CHEN

Software Engineer

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EXPERIENCE

Cloud SRE Engineer Intern
IBM

📅 05/2020 – Present   •   Remote

- Enginereed client self service using Kubernetes, Ansible, MongoDB, Rundeck and Kafka, eliminating 15% of incoming 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

- Organized 3 software engineers, resulting in a 2 month project delivery
- Engineered form administration, creation and responses using MERN, TypeScript, JWT, Cookies, 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 watchers 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 – 12/2018   •   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 Docker as a service with an IDE and dynamic reverse proxy
- Utilized Angular, Xtermjs, Monaco, Nginx, DinD, Socket.io and SSH2

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 🔗 🔗

- Enginereed 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

BSc Computer Science
University of Toronto

📅 09/2016 – 04/2022

- Specialist in Software Eng.
- Minor in Statistics

LANGUAGES

TypeScript   JavaScript   Go
C   Python   Java   Bash
PowerShell   Haskell   LaTeX

TECHNOLOGIES

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

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

Databases
MongoDB, PostgreSQL, CouchDB

Integrations
GitHub, Slack, Spotify, SendGrid, Stack Overflow

Frontend
React, Angular, jQuery, JWT, Cookies, Boostrap, PeerJS, Google Material Design, IBM Carbon Design

Backend
Express, Socket.IO, Flask

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