Michael Lin

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SKILLS

LANGUAGES
Proficient:
Python • JavaScript • HTML
Familiar:
Ruby • Java • CSS

FRAMEWORKS & TOOLS
Proficient:
ReactJS • NodeJS • Flask
PostgreSQL • Docker
Familiar:
Rails • Terraform • Ansible
AWS • Softlayer • Bluemix

INDUSTRY KNOWLEDGE
Scrum • Agile Methodologies

LINKS

Github:// ExiaSR
LinkedIn:// michaellinlzc

EDUCATION

UNIVERSITY OF ALBERTA
Computer Science, BSc
Specialization
Science Internship Program
Expected May 2020

EXPERIENCE

IBM | Software Engineer
May 2017 – Current | Toronto, ON, Canada
- Built web applications with front-end technologies such as ECMAScript 6, SASS, ReactJS as needed.
- Developed and scaled microservices for Cognitive Class Virtual Lab Environment with NodeJS and Rails, supporting over 1M users worldwide.
- Performed automating testing, continuous integration, and continuous deployment of different services with Github Enterprise, Travis CI, Docker, Ansible, Terraform, Cloud Foundry, Rancher, Artifactory, etc.
- Designed and maintained monitoring infrastructure with Elasticsearch, Prometheus, and Grafana to monitor server utilization, database performance, etc.
- Developed data pipeline and analytic reporting API consisting of organization-wide data to automate data collecting process and widely used by multiple teams.
- Instrumented user activity and analyzed data across different IBM products/partner products.

YY INC. | Software Engineer Intern
Jul 2016 – Aug 2016 | Guangzhou, China
- Developed scripts to automate and increase the efficiency of the building process. Used by a team of 10.
- Refactored the codebase to use the MongoDB C++11 driver from the old C driver. Improved code readability and maintainability.
- Optimized MongoDB query to increase performance by 10%.
- Developed unit tests for several modules.
- Supported QA engineers in testing and debugging new release.

PROJECTS

COLLABORATIVE LIST | Project Management Tool
Feb 2017 - March 2017
- Lead a team of 5 people to develope a project management tool for scholar and faculty to keep track of the research material (books, articles, journals, videos, etc) for meeting and seminar. Practiced weekly scrum meeting to
- Designed system architecture and implemented backend with Flask, MongoDB, and Elasticsearch.
- Designed UI and built frontend client with ReactJS.
- Built CI/CD pipelines for containerlized applications with Docker.

UNTER | Ridesharing Mobile application
Oct 2016 - Dec 2016
- Developed a ridesharing Android application and practiced variety of OOP design pattern.
- Practiced weekly standup meeting to keep track of progress with a team of 4 people.