William Mak

Experience

2016 - present

(Intermediate Software Developer at GAdventures

Developed and Maintained the software and systems for our internal tour leader website. This included applications for scheduling tour leaders, payments, and money requests.

Technologies: Python, Django, JavaScript, jQuery, CircleCl, Travis, AWS, ECS

- Worked with stakeholders to create a portal for our tour suppliers to see upcoming activities and transports
- Integrated our systems with the Single Sign-on provider Okta, allowing users to sign-in with a single click
- Improved models dependent on validities to use a single column instead improving data retrieval from 150ms down to 2ms
- Enhanced our developer experience using Ansible to help developers set up their environments with a single command
- Improved testing times from 500s to 40s by adding parallel testing, isolating tests and removing calls to external systems
- Worked with our DevOps team to replace our on-premises servers with AWS
 - Setup Docker for a Django Application along with Celery Workers
 - Configured CircleCl for continuous integration of our changes
- Developed tools to help improve the developer experience
 - o Added Slack notifications to developers on finished deploys
 - Created Support tools for common data issues

2015 - 2016

Software Developer at Media Resources

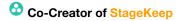
Developed a web portal to display diagnostics on a company's digital billboards

Technologies: JavaScript, Angular, Jenkins, Linode

- Created an application allowing users to layout any number of webcams on a page
- Gave users a responsive live visual representation of billboards using PaperJS
- · Produced a method for users to customize schedules through a step chart created through Highcharts
- Setup, configured and maintained a Jenkins instance to automate development and production releases
- Migrated our automation suite to Gitlab as to provide Chinese developers continuous access to Servers

Side Projects

2017 - present



Designed, developed and maintained an application with a small team to help users manage dancer formations matched to music.

Technologies: C#, Unity, Python, Django, JavaScript, React, AWS, EC2

- Created a cross-platform application using Unity
- Implemented a Django backend to store user data
- · Configured the system in AWS using EC2 and RDS
- Improved the application through user testing and getting feedback from users

Info

Education Github

Honours BSc, University of Toronto, Computer Science

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