Max Pham

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⋮≡ Technical Skills

Programming	Java, Python, C, JavaScript, HCL, SQL, CSS
Frameworks	Spring Boot, Flask, React.JS
Database Systems	MySQL, PostgreSQL, MongoDB
AWS Services	Lambda, Cloudformation, Cloudwatch, EC2, ECS, API Gateway, S3, CloudFront

💼 Professional Experience

from May 2020 to Present

Software Engineer | Platform, Uken Games, Toronto
Co-op May 2020 - Aug 2021 | Part-time Sept 2021 - Present
- Consolidated all documentation for organizational use to a single Wiki solution: Wiki.JS. Deployed the service to AWS ECS as well as designed a robust permission structure with OneLogin authentication
- Designed, deployed and maintained Terraform system, which allowed for 90% time-saving hands off with admins and provide a version-controlled environment through scalable and simple configurations managing 400+ repositories and 100+ organization members on Github
- Reduced cost by 100% through serverless implementation of Slack bot to update company's service status, in AWS EC2 upkeep and usage fees of previous Web App solution
- Reducing 30% of refactoring changes in feature Pull Requests by pioneering front-end codestyle enforcement for the main admin portal using Prettier through running Maven plugin during validation step in Jenkins

`Terraform` `AWS` `Python` `Docker` `IntelliJ Idea` `Bash-based CLI` `Maven` `Spring Boot` `Jenkins` `SAML2` `PostgreSQL`

🎓 Education

from Sept 2017 to Present

Computer Science Specialist | Honours Bachelor of Science, University of Toronto
Expected graduation: May 2022
- Participated in multiple project courses to build software:
  - ext4-inspired file system with $ls, cd, mkdir, mv, rm$ fully implemented using C on top of FUSE
  - Fully deployed application for compiling course information - See Portal below
- Co-founder and Technology Lead of the Web Development club
- Placed 2nd in NewHacks 2020

`CS GPA: 3.5/4.0`

🖥 Projects

SDC Tools   Jan 2020 - May 2020
 github.com/MaXeraph/proj-FakeBirds

Delegated proportional tasks for all teams and members with Github Projects. Developed the mapping between custom XML to JSON syntax and created the parser through pair programming. Lead designer of API endpoints and Electron-app packaging pipeline.

`Python` `Flask` `React` `Javascript` `Electron`

Portal   Sept 2019 - Dec 2019
 github.com/MaXeraph/Portal   Application

Deployed the app on Heroku. Designed API endpoints based of RESTful specifications. Wrote script to populate Course Data from UofT's Calendar as well as pulling data from Reddit's API for related posts. Assisted in Front-end work with React and Tailwind. Bootstrapped Back-end system with Express.

`Heroku` `Reddit API` `MongoDB` `React` `Tailwind` `Express`

>_ Open-Source Contributions

- Firefox: Compress flatpaks with xz instead of gzip
- Wiki.JS: Fix invalid usage of AWS S3 for renaming operations.