

MAX PHAM

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 maxpham.dev

TECHNICAL SKILLS

Programming	Java, Python, C, JavaScript, HCL, SQL, CSS
Frameworks	Spring, Spring Boot, Flask, Next.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 | Backend/Services, UKEN GAMES, Toronto

Professional Experience Year 2020-2021 Cohort

- Created CloudFormation template (ECS, RDS) to deploy [open-sourced Wiki engine](#), setup authentication with OneLogin
- Implemented Lambda function to retrieve service versions through Slack commands, as an effort of replacing previously under-utilized web app
- Designed, deployed and maintained Terraform system managing 400+ repositories and 100+ organization members on Github. Contributed in spinning up automation Jenkins pipeline
- Deployed existing services for new game tenants using AWS CloudFormation and Jenkins
- Main contributor to the company's website, powered by AngularJS

[Docker](#) [AWS](#) [Terraform](#) [Python](#) [IntelliJ Idea](#) [CLI](#) [Maven](#) [Spring Boot](#) [Jenkins](#) [SAML2](#) [PostgreSQL](#) [Slack API](#)

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 Project. 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. Actively aware of security and privacy implications throughout the development cycle.

[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.

INTERESTS

- Video Game Development
- Microsoft Flight Simulator
- PC Hardware
- Vinyl Collecting