

MAX PHAM

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 maxpham.dev

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 I | Platform, UKEN GAMES, Toronto

- Consolidated all documentation to a single Wiki solution: [Wiki.JS](#). Deployed the service to AWS ECS with ELB with a robust permission/auth structure through OneLogin
- Saved up to 90% admin involvement in account management by implementing Terraform system, enabling management of 1000+ Github organization resources through JSON
- Reduced 100% cost through serverless implementation of Slack bot to update company's service status, in AWS EC2 upkeep and usage fees of previous Web App solution
- Reduced 30% of refactoring commits by pioneering front-end codestyle enforcement for the main admin portal using [Prettier's](#) plugin through Jenkins validation

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

EDUCATION

from Sept 2017
to Present

Computer Science Specialist | Honours Bachelor of Science, UNIVERSITY OF TORONTO

CS GPA: 3.5/4.0 | Expected graduation: May 2022

- Participated in multiple project courses to collaborate building software
- Co-founder and Technology Lead of the [Web Development club](#)
- Placed 2nd in [NewHacks 2020](#)

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](#)

EXT4 CLONE

SEPT 2019 - DEC 2019

 [Course Assignment](#)

- ext4-inspired file system with *ls*, *cd*, *mkdir*, *mv*, *rm* fully implemented using C on top of [FUSE](#)

[C](#) [libFUSE](#) [Linux](#)

PORTAL

SEPT 2019 - DEC 2019

 github.com/MaXeraph/Portal  [Application](#)

- Implemented endpoint populating DB with Course Data from UofT's Calendar and Reddit's related posts
- Assisted in Front-end work with React and Tailwind
- Bootstrapped Back-end system with Express

[Heroku](#) [RESTful 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.