Max Pham

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⋮☰ Technical Skills

Programming Languages	Java, **Python**, C, **Javascript**, HCL, SQL, Bash
Frameworks	**Terraform**, Spring Boot, Flask, **React.JS**, Chakra UI
Database Systems	MySQL, PostgreSQL, MongoDB
AWS Services	**Lambda**, **Cloudformation**, Cloudwatch, EC2, ECS, API Gateway, **S3**, CloudFront

💼 Professional Experience

from May 2020 to Oct 2021

Software Engineer I | Platform, Uken Games, Toronto
- ❯ Reduced **100%** cost with Slack bot incident communication by moving to **AWS Lambda** from EC2
- ❯ Reduced **30%** unproductive commits by enforcing codestyle using Prettier plugin through Jenkins
- ❯ Managed **1000+** Github resources by designing **Terraform-based** system with input through **JSON**
- ❯ Increased campaign's outreach by **28%** with API scheduling system based of db-scheduler library
- ❯ Consolidated **100%** of technical documentation to a single Wiki solution: Wiki.JS. Deployed to **AWS** with authentication structure using OneLogin

`Terraform` `AWS` `Python` `Docker` `IntelliJ Idea` `Spring Boot` `Jenkins`

🎓 Education

from Sept 2017 to May 2022

Computer Science Specialist | Honours Bachelor of Science, University of Toronto
CS GPA: 3.7/4.0
- ❯ Participated in multiple project courses to collaborate building software
- ❯ Led a team of 4 to develop a pseudo-startup company to build adaptive offer generation solution
- ❯ **Co-founder** and **Technology Lead** of the Web Development Club

🖥 Projects

Mango App
🔗 Application
- ❯ Webapp for generating adaptive banking offers using ML and Statistical Analysis
  - ❯ Scaffolded and deployed the React frontend with Python Flask backend as well as PyTorch modeling service
  - ❯ Designed and Implemented frontend with ChakraUI along with custom authentication through Auth0
  - ❯ Setup and wrote tests for using TestingLibrary and Jest with acceptable coverage of 75%

`React` `Auth0` `Python` `Jest` `ChakraUI` `JWT`

Portal
 github.com/MaXeraph/Portal   🔗 Application
- ❯ Webapp for compiles every piece of information about a course and its related Reddit posts
  - ❯ Implemented backend to populate DB with Course Data from UofT's Calendar and Reddit's related posts

`Heroku` `MongoDB` `React` `Tailwind` `Express`

ext4 Clone
🔗 Course Assignment
- ❯ ext4-inspired file system with ls, cd, $mkdir$, mv, rm fully implemented using C on top of FUSE

`C` `libFUSE` `Linux`

❯_ Open-Source Contributions

- ❯ Firefox: Reduced installer size by 15% with bzip2 instead of gzip compression.
- ❯ Wiki.JS: Fix invalid usage of AWS S3 for renaming operations.
- ❯ Dev.to: Tutorial to implement Auth0 in React and backend services.