






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 I | Platform, UKEN GAMES, Toronto

- 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
- Saved up to 90% admin involvement in account management by implementing Terraform system, enabling management of 1000+ Github organization resources through JSON
- Consolidated 100% of company-wide documentation to a single Wiki solution: Wiki.JS. Deployed the service to AWS ECS with a robust permission/auth structure through OneLogin
- Reduced 30% of refactoring commits by pioneering front-end codestyle enforcement for the main admin portal using Prettier's plugin through Jenkins validation

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, as well as venturing into the fields of Image Processing, Principles of Programming Languages and Database Systems.
- Co-founder and Technology Lead of the Web Development club

PROJECTS

SDC TOOLS

 github.com/MaXeraph/proj-FakeBirds

- Webapp for filling out medical SDC forms (XML) and converting them to PDF
 - 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

PORTAL

 github.com/MaXeraph/Portal 




- 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

EXT4 CLONE



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

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.