






# MAX PHAM

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## PROFESSIONAL EXPERIENCE

current  
from July 2022

### Software Engineer I | Platform, UKEN GAMES, Toronto

- Doubled engagement by shipping 2nd phase for Blockchain-powered web-app game. Managed all backend development efforts along with Smart Contract integrations.
- Increased IAP revenue by **20%** by integrating new payment system with Xsolla
- Reduced cost by **10%** by implementing In-house Mobile Dynamic Messaging System, replacing existing SAAS usage
- Automated community support by building a custom Discord notifier bot for a Live-serviced Webapp game

Reactive Spring   Ethereum Solidity   AWS   Python   Kafka

to Oct 2021  
from May 2020

### Software Engineer PEY | Platform, UKEN GAMES, Toronto

- Reduced **100%** cost with Slack bot incident communication by moving to **AWS SAM** from EC2
- Reduced **30%** unproductive commits by enforcing codestyle using Prettier plugin through Jenkins
- Managed **1000+** Github resources by designing **Terraform-based** system with changes through **JSON** format
- Increased marketing'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 using OneLogin SAML

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 remote team of 4 to develop a pseudo-startup presented to a panel of C-level executives
- 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
  - Integrated custom authentication flow with Auth0

React   Auth0   Python   Jest   ChakraUI   JWT

## OPEN-SOURCE CONTRIBUTIONS

- ChainPatrol: Refactored and implemented numerous features for discord bot to detect crypto scam sites.
- 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.

## TECHNICAL SKILLS

Programming Languages	Java, Python, Javascript, Terraform, SQL, Bash
Frameworks	Next.JS, Spring Boot, Flask
Database Systems	MySQL, PostgreSQL, MongoDB
AWS Services	Lambda, Cloudformation, S3, SAM, Cloudwatch, ECS, API Gateway, CloudFront