






# MAX PHAM

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## PROFESSIONAL EXPERIENCE

current  
from July 2022

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

- Automated backend-driven bot systems for upcoming massive multiplayer game, with social interactions and varied in-game behaviour
- Pioneered a graphic-focused Powerpoint design for company-wide demos, leading multiple presentations that were widely appreciated for their clarity and effectiveness
- **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

[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](#)

## OPEN-SOURCE CONTRIBUTIONS

- **ChainPatrol**: Refactored and implemented features for Discord bot to detect crypto scam sites, enhancing user safety. ([Pull Request](#))
- **Firefox**: Reduced installer size by 15% with bzip2 compression, improving download efficiency. ([Pull Request](#))
- **Wiki.JS**: Corrected AWS S3 usage for renaming operations, enhancing cloud storage integration. ([Pull Request](#))
- **Dev.to**: Authored a tutorial on implementing Auth0 in React and backend services, boosting developer resources. ([Article](#))

## 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](#)

## TECHNICAL SKILLS

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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