






# MAX PHAM

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## 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

## PROFESSIONAL EXPERIENCE

current  
from July 2022

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

- Increased IAP revenue by **20%** by integrating new payment system with Xsolla
- Designed notification system for a Web3 live-service game, supporting emails, and SMS
- Increased marketing performance and reduce cost with In-house Mobile Dynamic Messaging System
- Reduced AWS MSK deployment maintainance time by placing Broker URLs behind DNS
- Enhanced community support by implementing a custom Discord notifier bot for a Live Service game

[Reactive Spring](#) [Web3](#) [AWS](#) [Python](#) [Kafka](#) [Git LFS](#)

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 satellite 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](#): Extended existing command to support custom input modal.
- [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.