






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
- **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

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

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

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