






# MAX PHAM

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## PROFESSIONAL EXPERIENCE


current from July 2022	<b>Software Engineer I   Platform, UKEN GAMES, Toronto</b> <ul style="list-style-type: none"><li>Increased IAP revenue by <b>20%</b> by integrating new payment system with Xsolla</li><li>Designed notification system for a Web3 live-service game, supporting emails, and SMS</li><li>Increased marketing performance and reduce cost with In-house Mobile Dynamic Messaging System</li><li>Reduced AWS MSK deployment maintainance time by placing Broker URLs behind DNS</li><li>Enhanced community support by implementing a custom Discord notifier bot for a Live Service game</li></ul> <div>Reactive Spring Web3 AWS Python Kafka Git LFS</div>
to Oct 2021 from May 2020	<b>Software Engineer PEY   Platform, UKEN GAMES, Toronto</b> <ul style="list-style-type: none"><li>Reduced <b>100%</b> cost with Slack bot incident communication by moving to <b>AWS SAM</b> from EC2</li><li>Reduced <b>30%</b> unproductive commits by enforcing codestyle using <u>Prettier</u> plugin through Jenkins</li><li>Managed <b>1000+</b> Github resources by designing <b>Terraform-based</b> system with changes through <b>JSON</b> format</li><li>Increased marketing's outreach by <b>28%</b> with API scheduling system based of <u>db-scheduler</u> library</li><li>Consolidated <b>100%</b> of technical documentation to a single Wiki solution: <u>Wiki.JS</u>. Deployed to <b>AWS</b> with authentication using <u>OneLogin SAML</u></li></ul> <div>Terraform AWS Python Docker IntelliJ Idea Spring Boot Jenkins</div>

## EDUCATION

from Sept 2017 to May 2022	<b>Computer Science Specialist   Honours Bachelor of Science, UNIVERSITY OF TORONTO</b> CS GPA: 3.7/4.0 <ul style="list-style-type: none"><li>Participated in multiple project courses to collaborate building software</li><li>Led a satelite team of 4 to develop a <u>pseudo-startup</u> presented to a panel of C-level executives</li><li><b>Co-founder</b> and <b>Technology Lead</b> of the <u>Web Development Club</u></li></ul>
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## 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.

## 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