






# 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>➤ Automated backend-driven bot systems for upcoming massive multiplayer game, with social interactions and varied in-game behaviour</li><li>➤ Pioneered a graphic-focused Powerpoint design for company-wide demos, leading multiple presentations that were widely appreciated for their clarity and effectiveness</li><li>➤ <b>Doubled</b> engagement by shipping 2nd phase for Blockchain-powered web-app game. Managed all backend development efforts along with Smart Contract integrations</li><li>➤ Increased IAP revenue by <b>20%</b> by integrating new payment system with Xsolla</li><li>➤ Reduced cost by <b>10%</b> by implementing In-house Mobile Dynamic Messaging System, replacing existing SAAS usage</li></ul> <div>Reactive SpringEthereum SolidityAWSPythonKafka</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>TerraformAWSPythonDockerIntelliJ IdeaSpring BootJenkins</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 remote 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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## 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)

## 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
  - › Frontend powered by ChakraUI with custom authentication from Auth0

React Auth0 Python Jest ChakraUI JWT