






MAX PHAM

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PROFESSIONAL EXPERIENCE


current from July 2022	Software Engineer I Platform, UKEN GAMES, Toronto <ul style="list-style-type: none">➤ 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➤ Automated community support by building a custom Discord notifier bot for a Live-serviced Webapp game <div>Reactive SpringEthereum SolidityAWSPythonKafka</div>
to Oct 2021 from May 2020	Software Engineer PEY Platform, UKEN GAMES, Toronto <ul style="list-style-type: none">➤ Reduced 100% cost with Slack bot incident communication by moving to AWS SAM from EC2➤ Reduced 30% unproductive commits by enforcing codestyle using <u>Prettier</u> 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 <u>db-scheduler</u> library➤ Consolidated 100% of technical documentation to a single Wiki solution: <u>Wiki.JS</u>. Deployed to AWS with authentication using OneLogin SAML <div>TerraformAWSPythonDockerIntelliJ IdeaSpring BootJenkins</div>

EDUCATION

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

ReactAuth0PythonJestChakraUIJWT

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