






MAX PHAM

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PROFESSIONAL EXPERIENCE

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|------------------------------|---|
| current from July 2022 | Software Engineer I Platform, UKEN GAMES, Toronto <ul style="list-style-type: none">Automated backend-driven bot systems for upcoming massive multiplayer game, with social interactions and varried in-game behaviourDoubled engagement by shipping 2nd phase for Blockchain-powered web-app game. Managed all backend development efforts along with Smart Contract integrationsIncreased IAP revenue by 20% by integrating new payment system with XsollaReduced cost by 10% by implementing In-house Mobile Dynamic Messaging System, replacing existing SAAS usage <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 EC2Reduced 30% unproductive commits by enforcing codestyle using <u>Prettier</u> plugin through JenkinsManaged 1000+ Github resources by designing Terraform-based system with changes through JSON formatIncreased marketing's outreach by 28% with API scheduling system based of <u>db-scheduler</u> libraryConsolidated 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

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| 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 softwareLed a remote team of 4 to develop a <u>pseudo-startup</u> presented to a panel of C-level executivesCo-founder and Technology Lead of the <u>Web Development Club</u> |
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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

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|-----------------------|---|
| 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

ReactAuth0PythonJestChakraUIJWT