






# MAX PHAM

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## PROFESSIONAL EXPERIENCE

current from July 2022	<b>Software Engineer   Platform, UKEN INC, Toronto</b> <ul style="list-style-type: none"><li>➤ Built <b>Apple IAP refund confirmation</b> and <b>Xsolla payment integration</b> features across <b>20+ distributed microservices</b>, implementing user segmentation for personalized offers serving <b>50K+</b> monthly active users</li><li>➤ Migrated <b>in-house mobile dynamic messaging system</b> to <b>AWS SNS</b>, reducing infrastructure costs by <b>30%</b> and improving message delivery reliability</li><li>➤ Led <b>code reviews</b> and performance optimization initiatives, improving system throughput through <b>SQL database</b> query optimization and caching strategies</li><li>➤ Maintained weekly <b>on-call rotation</b> responsibilities, achieving <b>99%</b> uptime through proactive monitoring with <b>Grafana, Signoz</b> and incident response automation</li><li>➤ Built scalable backend services using <b>Java Spring Boot</b> and deployed <b>AWS Lambda</b> functions with <b>CloudFormation</b>, automating bot systems and payment validation workflows</li></ul> <div>Claude CodeCursorJava Spring BootKafkaRedisAWSGrafanaSQLPythonTerraform</div>
to Oct 2021 from May 2020	<b>Software Engineer   Platform, UKEN INC, Toronto</b> <ul style="list-style-type: none"><li>➤ Implemented <b>automated code quality</b> enforcement using <b>Prettier</b> plugin through <b>Jenkins CI/CD</b>, reducing unproductive commits by <b>30%</b></li><li>➤ Architected and implemented company-wide <b>Terraform</b> solution, completely automating management of <b>1000+ GitHub resources</b> via <b>Jenkins CI/CD</b> pipelines on <b>AWS Lambda</b></li><li>➤ Designed <b>relational database schemas</b> for API scheduling system using <b>db-scheduler</b> library, increasing marketing outreach by <b>28%</b></li><li>➤ Consolidated <b>org-wide technical documentation</b> to a single <b>Wiki.js</b> solution deployed on <b>AWS</b> and <b>mentored 3 junior developers</b>, establishing code review standards and onboarding processes</li></ul> <div>AWSPythonTerraformSQLDockerJenkinsSpring Boot</div>

## 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](#))

## EDUCATION

to May 2022 from Sept 2017	<b>Computer Science Specialist   Honours Bachelor of Science, UNIVERSITY OF TORONTO</b> <b>CS GPA: 3.7/4.0</b> <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 <b>pseudo-startup</b> presented to a panel of C-level executives</li><li>➤ <b>Co-founder</b> and <b>Technology Lead</b> of the <a href="#">Web Development Club</a></li></ul>
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## TECHNICAL SKILLS

Programming Languages	Java, Python, Javascript, SQL, Ruby, Bash
Frameworks & Libraries	Spring Boot, React, ChakraUI, Auth0, Jest
Technologies	Kafka, Redis, Claude Code, Cursor, gRPC, Docker, Jenkins, Terraform, Ansible
Database Systems	MySQL, PostgreSQL, Prisma
AWS & Infrastructure	AWS, S3, SNS, Lambda, CloudFormation, Grafana