






MAX PHAM

 [linkedin.com/in/maxphamm](https://www.linkedin.com/in/maxphamm)  github.com/maxeraph
 +1 (647) 674-7967  me@maxpham.dev
 maxpham.dev

PROFESSIONAL EXPERIENCE

current from July 2022	Software Engineer Platform, UKEN INC, Toronto <ul style="list-style-type: none">➤ Built Apple IAP refund confirmation and Xsolla payment integration features across 20+ distributed microservices, implementing user segmentation for personalized offers serving 50K+ monthly active users➤ Migrated in-house mobile dynamic messaging system to AWS SNS, reducing infrastructure costs by 30% and improving message delivery reliability➤ Led code reviews and performance optimization initiatives, improving system throughput through SQL database query optimization and caching strategies➤ Maintained weekly on-call rotation responsibilities, achieving 99% uptime through proactive monitoring with Grafana, Signoz and incident response automation➤ Authored comprehensive technical documentation including Unity client library setup guides, and Git workflow documentation improving developer onboarding and operational efficiency <div>Claude CodeCursorJava Spring BootTerraformRedisAWSGrafanaSQLPythonKafka</div>
to Oct 2021 from May 2020	Software Engineer Platform, UKEN INC, Toronto <ul style="list-style-type: none">➤ Implemented automated code quality enforcement using Prettier plugin through Jenkins CI/CD, reducing unproductive commits by 30%➤ Architected and implemented company-wide Terraform solution, completely automating management of 1000+ GitHub resources via Jenkins CI/CD pipelines on AWS Lambda➤ Designed a generic API scheduler for all microservices' APIs using db-scheduler library, increasing marketing outreach by 28%➤ Consolidated org-wide technical documentation to a single Wiki.js solution deployed on AWS and mentored 3 junior developers, establishing code review standards and onboarding processes <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	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 pseudo-startup presented to a panel of C-level executives➤ Co-founder and Technology Lead of the Web Development Club
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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