


Michael Chung

Team Lead Software Engineering / Mobile Team Lead / Full Stack Developer

 Toronto, Ontario

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 [Portfolio](#)

Professional Summary

Dynamic and flexible software engineer with 13+ years of experience spanning generative AI, machine learning, and full-stack development. Proven track record of building and leading cross-functional AI/ML teams of 5+ engineers while delivering scalable AI systems from research prototypes to production. Co-authored research on RWKV architectures and successfully transitioned from mobile engineering to founding AI engineer, combining deep technical expertise in generative models with system architecture and technical leadership across healthcare, fintech, and AI domains.

Work Experience

Storyteller.AI - Founding Engineer, Machine Learning Engineer / AI Developer / Full Stack

Sep 2023 - Present · 2+ yrs | Remote

- Built and led cross-functional teams of 5+ engineers, establishing AI/ML engineering practices and recruiting specialists in generative AI workflows
- Architected core AI infrastructure for Zero Shot TTS systems and generative content pipelines, driving technical roadmap for cutting-edge AI applications
- Designed and implemented scalable ComfyUI workflows for AI-powered content generation, optimizing inference performance and model deployment
- Pivoted to build <https://getartcraft.com/> using Tauri and React, integrating multiple generative AI models for desktop creative workflows
- Conducted research and development on novel AI architectures, contributing to research on RWKV models that resulted in published work and open-source AI initiatives
- Implemented MLOps practices including model versioning, A/B testing frameworks, and automated model deployment pipelines
- **Skills:** Generative AI, Zero Shot TTS, PyTorch, MLOps, React, Tauri, Python, Model Deployment, AI Research, Team Leadership

RAVL - Senior Mobile Consultant

Apr 2023 - Sep 2023 · 6 mos | Remote | Contract Full-time

- Built scalable SwiftUI components and iOS architecture for one of the Big 4 banks with focus on security and compliance
- Collaborated with cross-functional teams to deliver high-performance mobile banking solutions and reduce critical system issues
- Implemented security-focused development practices for financial services compliance including authentication and data protection
- Conducted code reviews and provided technical mentorship to internal development teams on best practices

TouchBistro - Mobile Developer Team Lead

Aug 2019 - Apr 2023 · 3 yrs 9 mos | Toronto, Ontario, Canada | Contract Full-time

- Led hiring initiatives for senior mobile developers and established comprehensive interview loops and technical assessment processes
- Built CI/CD pipelines and implemented DevOps practices to improve deployment efficiency and reduce critical system issues
- **30%** sprint planning, code reviews, and mentoring mobile engineers on best practices and development methodologies
- **70%** architected and scaled the Payments SDK to enable seamless integration of vendor payment terminals, optimizing performance and system stability
- Developed team standards, automated testing processes, and technical documentation to support rapid team growth

ClearBridge Mobile - Bell Media - Senior iOS Engineer (Contractor)

Feb 2018 - Jul 2019

- Worked as a subcontractor to deliver the Crave TV 2 iOS App
- Delivered the analytics and downloads features and high visibility components such as accessibility
- The App had 2.3 million subscribers and 400 thousand daily active users

EBlock - Senior iOS Engineer (Contractor)

Oct 2017 - Feb 2018

- Developed the live auction application
- Worked with a GraphQL backend API to connect the application

Nuralogix - Senior iOS and AI/ML Engineer (Contractor)

Feb 2017 - Oct 2017

- Developed the working prototype of Nura: an application that uses trans optical image processing to read a user's blood pressure and heart rate
- Developed the rendering and feature extraction pipelines
- Built and ported the machine learning model to mobile
- Built a CI/CD pipeline used to deliver app builds

Infusion (acquired by Avanade) - Senior Consultant / Senior iOS Engineer (Contractor)

Mar 2016 - Feb 2017

- Served as a consultant on TD Canada Trust Research and Development Team
- Developed TD's internal chatbot application as a joint venture with Massively AI
- Participated in sprint planning and mentorship

Kiwi Wearables (acquired by Sentiance) - iOS AI/ML Engineer

May 2015 - Mar 2016

- Developed a motion classification framework for iOS for making predictions about specific motions being performed
- Assisted in building an AI as a service platform allowing the business to focus its efforts on pushing B2C
- Coordinated and developed three iOS apps: Sports Summit App 2015, Motions SDK app, and the Squat Off app
- Improved skills in Deep Learning and Machine Learning processes including training and feature extraction

Thrive Games - Software Developer (Contractor)

May 2014 - May 2015

- Developed a chat system using TCP sockets
- Programmed the UI for Dragon of Legends
- Worked alongside developers to build tools to streamline getting art assets into the game

Metacloud - NodeJS and iOS Developer

Oct 2013 - May 2014

- Developed iOS and Android app MVPs
- Implemented an agile software development life cycle for app development

BlackBerry - Software Developer, Advanced Rendering - Research and Development

Sep 2012 - Oct 2013

- Built software demos presented alongside BB10 OS
- Developed an SDK for computer vision based hand tracking
- Contributed in the development, design, and optimization of the List Component in the Cascades UI Framework

Education

McMaster University - B.A.Sc Computer Science and Mathematics

Sep 2008 - May 2012

Studies included:

- Algorithms
- Linear Algebra
- Modern Algebra
- Functional Programming

Technical Skills

AI/ML & Generative Models: PyTorch, Deep Learning, Zero Shot TTS, Generative AI, Computer Vision, MLOps, Model Deployment, AI Research

Frontend & Full Stack: React, JavaScript ES6, iOS (Swift 3/4/5, Objective-C, SwiftUI), Tauri, Unity, C#, XCode

Backend & Infrastructure: Node.js, Python, GraphQL, REST APIs, Socket Protocols, Protocol Buffers, Docker, Kubernetes, CI/CD Pipelines

Databases & Optimization: PostgreSQL, MongoDB, SQL Query Optimization, Performance Analysis

AI Development Tools: AI-powered development tools (Cursor, code assistants), ComfyUI, Model Versioning, A/B Testing Frameworks

Cloud & DevOps: Git (GitHub/Bitbucket), CocoaPods, Carthage, Linux, macOS, DevOps practices

Security & Integration: Authentication protocols, API integrations, system security practices

Leadership & Mentorship: Technical Hiring, Code Reviews, Sprint Planning, Junior Developer Mentoring, Cross-team Collaboration

Side Projects & Leadership

Databites (Defunct) - Founder

- A non-profit teaching the basics of Data Science and Machine Learning to people from various backgrounds and skill sets
- Mission was to make these seemingly magical processes more relatable and understandable to the average person
- Led the "Toronto Data Science using Python" Meetup Group that consisted of 1,200 members

Anime Over 9000 (Defunct) - Product Owner and Software Developer

- A mobile-friendly video site built using Node.js and AngularJS scalable through load balancing and the use of NGINX
- Responsible for developing the Node.js backend for video streaming as well as the database implemented in MongoDB

U Wallet (Defunct) - Product Owner and iOS Developer

- An iOS app that integrated into McMaster University's meal plan system
- Assisted students in tracking meals and spending
- **Won the \$5,000 People's Choice Award** at a startup competition held by Spectrum (entrepreneurship organization)