

# MICHAEL ANDERSON

Team Lead, Web Technology Developer

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## SUMMARY

Currently, the Chief Operations Officer and co-founder of a twenty person start-up, Echosec. Over the last four years, I've had the pleasure of building and directing a ten person, distributed development team. We maintain, develop and ship a tool that services nearly a thousand customers worldwide. Below is a short summary of experience I have picked up through my last ten years of work and education in the web technologies space.

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## WORK EXPERIENCE

Jul 2017 Present	<b>COO / Echosec</b> Ensure that Development, Support, Sales, and Marketing all have appropriate resources and support to be effective and feel valued. Relevant Experience: Strategic Planning, Budgets, Hiring, Partnerships, Onboarding and Offboarding
May 2014 Jul 2017	<b>Co-Founder, CTO / Echosec</b> Designed and implemented the first iteration of Echosec - a social media aggregation and discovery platform. Transitioned to CTO / management role and directed development team. Relevant Experience: Reactive Application Architecture, SPA Design, Distributed Team Management, Scrum / Sprint Planning, Project Management, Government Funding (IRAP/SR&ED), Mentoring, Hiring
May 2013 Jan 2014	<b>Developer - WebRTC iOS Lead / EasyRTC (Priologic)</b> Developed the EasyRTC iOS SDK, one of the first spec compliant audio and video implementations of WebRTC for iOS - interoperable with the EasyRTC JS SDK and later Android SDK. Relevant Experience: API Design, Project Management
Sep 2012 Dec 2012	<b>Web Application Developer Internship / Genologics (Illumina)</b>
Jan 2012 May 2012	<b>Wireless Broadband Firmware Developer Internship / PMC Sierra</b>
Sep 2010 Dec 2010	<b>Cloud / Virtualization Researcher Internship / UVic Particle Physics Lab</b>
Dec 2009 May 2011	<b>iOS Developer / Mathtappers</b>

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## EDUCATION

Sep 2013 Dec 2018	<b>Masters of Applied Science, Engineering Entrepreneurship Program</b> Thesis Working Title: Performance Modelling of Reactive Web Applications Using Trace Data from Automated Testing <i>University of Victoria, Victoria, BC, Canada</i>
Sep 2008 Apr 2013	<b>Bachelor of Computer Engineering</b> Software Specialization <i>University of Victoria, Victoria, BC, Canada</i>

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## SKILLS

Languages & Framework Experience	<b>Javascript (ES6/Typescript)</b> / Vue, Vuex, React, Ember, Node <b>PHP</b> / Laravel, Symfony <b>Java</b> / Storm, Spark <b>Python</b> / pandas, spacy, Ansible, <b>C, ObjC, C++</b> / Various, primarily iOS and embedded development
Technologies	<b>Devops</b> / Docker, Puppet, Ansible, Jenkins <b>Data Storage</b> / Postgres, Postgis, Redis, Cassandra, ElasticSearch <b>AWS</b> / Beanstalk, CloudFormation, Lambda, RDS, CloudWatch, more...
Data Science	Clustering and classification of text using lexical measures and k-means clustering. RNN/CNN training for sentiment and image classification
Product Management	Product roadmapping, Backlog prioritization, Stakeholder Engagement Statistical analysis, Rapid prototyping
Corporate Operations	Budgets, Role Definition and Hiring, Onboarding, Policies and Procedures, Shareholder Communications.

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## PORTFOLIO HIGHLIGHTS

Echosec	Echosec is a an open data query and exploration platform designed primarily to help analysts and first responders find and understand location based social media in breaking news events. The platform is comprised of an event driven collection of open data retriever, and data enrichment services.
Conflux	Conflux brings together your user acceptance testing and application performance measurement to provide useful and realistic performance characteristics based on activities your users actually do. Conflux was created to support my thesis research on performance modelling of distributed systems.
EasyRTC for iOS	EasyRTC is a full-stack open source WebRTC toolkit suitable for building highly secure, WebRTC applications. EasyRTC for iOS SDK is an iOS native implementation of webRTC supporting full audio and video.