

# Colin Campbell

Engineering Lead  
Toronto, CANADA

## Resume

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A dynamic full stack software professional available to make an immediate impact on any project or development team.

## Employment History:

### Engineering Manager, TUCOWS // 2015 – present

- Caring leader of 2 Lead cross functional engineering teams with a total of 8 direct reports
- Design & build application architecture
- Promote Engineering best practices
- Remootify
- Shipped *Barndoor*, an api gateway implementation that manages ingress and distributes it to internal microservices.
- Champion of *common infrastructure* project that provides Tucows engineering teams with simple and reusable infrastructure as code solutions to common architecture problems with terraform and salt.
- Lead on *Project Hoofprint* (blueprint) which laid the groundwork for the widespread adoption of distributed microservice architecture at Tucows across all lines of business.
- Launched *Whois Publicity* feature on domains platform to proactively mitigate any lost revenue caused by GDPR rule changes to *Whois Privacy*.
- Delivered key frontend components for GDPR readiness including tieredaccess.com and RDAP admin tool.
- Influenced internal process changes to ci/cd pipelines that are now widely accepted across the entire company.
- Provided improvements to aging solr implementation.
- Lead a team through the design and development of a domain admin. application that showcased a new frontend stack featuring React/Flux, which later evolved to vuejs/vuext and is now the basis for modern UI work at Tucows.
- Contributed to OpenSRS Domain Platform shim that allowed Tucows to ingest 1.5 million domains from MelbourneIT acquisition.
- Collaborated with Automattic/Wordpress team on an OpenSRS Domains Platform integration that led Tucows to acquire wordpress.com domain registrations from GoDaddy.

### Senior Software Developer, FIRE ENGINE RED // 2012 – 2015

- Trusted individual contributor on engineering team committed to keeping America's colleges and universities stocked with fresh minds.
- Implemented admission and alumni search solution to flagship CRM product, leveraging apache solr to deliver instant search results on multiple user data points for (near) real time decision making.
- Provided guidance and leadership on testing & refactoring of legacy codebase.

### Senior Software Developer, MEDICAL PHARMACIES // 2003 – 2012

- Technical Lead on a small team of engineers(3) dedicated to improving patient outcomes.
- First to market on innovative mobile pharmacy interaction tools.
- Delivered a patient aware drug inventory system servicing thousands of beds that drastically reduced medication errors and pharmacy waste.
- Implemented a highly available data warehouse solution across 30+ retail locations,

providing the organization with much needed business and patient care insights.

## **Skills:**

- Team Building, Leadership, Mentoring
- Programming, Architecture, Design
- CI/CD, Testing, Automation

## **Technology**

- Python, Javascript, Perl, PHP, C
- React + Flux, Vuejs + Vuex
- Kafka, Redis, PostgreSQL, MySQL
- Docker, Nomad, Consul, Vault, Kubernetes
- Elasticsearch, Kibana, Fluentd, Prometheus, Grafana

## **Education:**

**Seneca College of Applied Arts and Technology // 1999 – 2002**

- Computer Programming and Analysis Diploma
- Applications Developer specialization
- Internet Specialist specialization

## **Interests:**

- Captain of my “D” league championship hockey team
- Guitar player extraordinaire
- Lifelong vimrc tinkerer

## **Contact**

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References supplied on request.