

# Colin Campbell

## SOFTWARE ENGINEERING & LEADERSHIP

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### PROFILE

Accomplished Engineering Leader with a proven track record of driving high-performance teams to deliver impactful results. Known for fostering a culture of innovation, collaboration, and fun while navigating complex technical challenges. Recognized for being an empathetic leader who values open communication and actively listens to team members' needs and concerns. Dedicated to cultivating talent and creating an environment where individuals thrive and organizations succeed. Experienced in leading cross-functional teams and delivering projects on time and within budget. Ready to leverage expertise in software development, architecture, and team leadership to drive excellence in your organization.

### EXPERIENCE

#### **DIRECTOR OF ENGINEERING TUCOWS/WAVELO** 2021-2024

- Head Software Architecture and leader of 34 engineers across multiple disciplines.
- Designed and implemented Wavelo's event driven microservice architecture.
- Collaborated with other department leads to deliver on strategic initiatives.
- Operated and maintained the private cloud platform that supports Wavelo's 8 million DISH subscribers.
- Lead the observability transition from Datadog to Grafana saving millions in operating costs.

#### **ENGINEERING MANAGER, TUCOWS/DOMAINS** 2017-2021

- 2 Million Domains under management
- Managed design & development team for *Remootify*, an event scheduling service that is successfully being used by key Tucows lines of business such as *Hover* and *Ting Mobile*.
- Influenced internal process changes to ci/cd pipelines that are now widely accepted across the entire company.
- 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/vuex and is now the basis for modern UI work at Tucows.

#### **SENIOR ENGINEER, TUCOWS/DOMAINS** 2015-2017

- 60 Million Domains under management
- Delivered key frontend components for GDPR readiness including tieredaccess.com and RDAP admin tool.
- Provided improvements to aging solr implementation.
- 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.
- prepared aging codebase for modernization with refactoring and testing

## **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**

### **LEADERSHIP**

- 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**

- 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

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## **CONTACT**

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