Colin Campbell

SOFTWARE ENGINEERING & LEADERSHIP

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

- Shipped BARNDOOR, an api gateway implementation for TUCOWS/DISH collaboration 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 miroservice architecture at Tucows across all lines of business.

ENGINEERING MANAGER, TUCOWS/DOMAINS 2017-2021

- 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/vuext and is now the basis for modern UI work at Tucows.

SENIOR ENGINEER, TUCOWS DOMAINS 2015-2017

- 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.

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 + Vuext
- 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

- colin@emergesource.com
- https://eluslivelabs.com/colin
- in https://linkedin.com/in/colincode
- https://github.com/ccmpb

References supplied on request.