

Jacob Cook

Montréal, QC, Canada | hello@jacobcook.net

[LinkedIn](#) | [Github](#) | [Website](#)

Work Experience

Engineering Manager

Busbud, Montréal, QC — Jan 2022 - Present

- Managed a platform team of 7 developers, with 5 as direct reports
- Created new employee onboarding plan, iterated on team topology and processes for optimal performance; set technical direction and tech debt management strategies; created data pipelines for system and team performance; wrote SR&ED reports
- Redesigned technical interview and employee onboarding processes; completed nearly 100 interviews as hiring manager, many offers made and negotiated with candidates
- Top Performer status for 2022; 2 team quarterly Drive Awards for demonstrating company values

Senior Tech Lead Manager

Busbud, Montréal, QC — Oct 2019 - Jan 2022

- Architect, project manager, individual contributor and direct manager of 2 developers
- Led development of several new microservices and the creation of an entirely new version of our private and public APIs, behind a significant number of new features
- Top Performer status for 2020 and 2021; 1 team and 3 personal quarterly Drive Awards for demonstrating company values; Company hackathon MVP winner

Senior Software Engineer

Busbud, Montréal, QC — Oct 2018 - Oct 2019

- Developed several new API integrations with new suppliers, libraries and automations to improve developer experience and velocity of routine tasks
- Experience in TypeScript, JavaScript, Node.js, PostgreSQL, React, Terraform, Kubernetes, and DevOps

Project Director and Free Software Consultant

Savoir-faire Linux, Montréal, QC — Mar 2017 - Sep 2018

- Lead developer and project manager for a team of about 15 developers; organized execution pods of small teams to assign to projects, oversaw their work and methodology
- Prepared responses to calls for tender/RFPs, proposals for sales leads; handled client communication and relationships, akin to a solutions engineer; taught software engineering and programming language courses
- Clients included: the Government of Canada, the Government of Québec, the Société de Transport de Montréal, Bell, Intact Insurance, Schneider Electric, several school boards
- Experience in Python, JavaScript, PostgreSQL, React, Ansible, Openstack

Software Engineer

Coderouge (Freelance), Montréal, QC, Jan 2017 - Apr 2018

- Provided freelance consulting and software development services
- Front-end development, web application backend/API engineering, geospatial database work, systems administration, infrastructure deployment and maintenance

Founder and Lead Developer

CitizenWeb, Montréal, QC, Jan 2013 - Dec 2016

- Managed development, hosting and deployment of open-source privacy and security projects
- Created and solely oversaw a successful \$53,065 crowdfunding campaign in Fall 2013. Writeups in VentureBeat, The New Yorker, Der Spiegel and many other publications
- Experience in Python, JavaScript, MariaDB, Linux kernel development and embedded platforms

Marketing and Information Systems

Haury's Lake City Collision, Seattle, WA, Jul 2009 - Dec 2013

- Developed applications internally to assist with management of repair workflows. Managed small corporate IT system of twenty users, including servers, workstations and networking equipment.
- Created and routinely updated the company website. Oversaw company marketing initiatives, creating marketing materials for various company functions and offers.
- Served as a Notary Public at Haury's from 2009-2010, as well as customer service agent and vehicle estimator.

Technical Skills

Expert (★★★★★): TypeScript, JavaScript, Node.js, Python, PostgreSQL, Terraform, Docker, Kubernetes, Google Cloud Platform (GCP), DigitalOcean, System Administration (Linux), DevOps

Advanced (★★★★☆): Amazon Web Services (AWS), API Design, Angular, DDD, Ember.js, Ionic Framework, Microservice Architecture, OOO, PostGIS, RabbitMQ, Redis, React, TDD

Familiar (★★★☆☆): Ansible, C, Golang, Microsoft Azure, Ruby

Education

BA Political Science, minor French Language

Concordia University, Montréal QC

2011 - 2013

Projects

Stockboy

2020 to Present — Code available on request

Personal finance and stock tracking app, with portfolio creation, live updating ticker prices and historical analysis. Created using Node.js, PostgreSQL, Ionic, React and Docker/Kubernetes.

slowne.ws

2018 to 2020 — <https://slowne.ws> — Code available on request

slowne.ws was an experiment to create a healthier way for consuming news online. It used web scrapers combined with natural-language processing (NLP) to classify news articles and sources and allow for organic feed personalization without intermediating algorithms. Created using Python, Ember.js, PostgreSQL and Docker/Kubernetes.

arkOS

2013 to 2017 — <https://github.com/arkOScloud>

arkOS was a self-hosted application management platform and operating system, allowing for easy management of a home server through the use of an “app store” style interface.

Languages

English (*Native*) | **French** (*Fluent, TÉFAQ score: C2 Comp., C2 Exp.*) | **Italian** (*Beginner*)

Memberships

OpenJS Foundation

Individual Supporter — 2017 to present

Python Software Foundation

Supporting Member — 2017 to present

Linux Foundation

Individual Supporter — 2012 to present