



BRIAN BANCROFT

SOFTWARE DEVELOPER,
GEOSPATIAL PROFESSIONAL

PROFILE

Address

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Email

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Portfolio

https://bancroft.io

SKILLS

JAVASCRIPT (ES2018)



CI/CD



PYTHON/RUBY



DATA VISUALIZATION



OPERATIONS MANAGEMENT



REMOTE SENSING



MATH/STATISTICS



CARTOGRAPHY



"I am a software developer with a passion for learning new concepts, data-mining, cartography, API development and process-automation. Before switching to development, I worked long and hard in the Communications Branch of the CAF, followed by the geospatial/operation sectors in the Oilsands. My education background is in physics and GIS, I'm able to speak french and enjoy every opportunity to brush up on these skills. I seek to grow both as a developer and a technical analyst. On my own, I draw, teach, and hike."

PORTFOLIO - [BANCROFT.IO](https://bancroft.io)

Portfolio items include:

Topographic Map Example

Cartography

Remote Sensing

Get my MP - Backend

NodeJS

PostGIS

React

Condobees - Fullstack

VueJS

MapboxGL

Dataviz

Map Georeferencing - Scripting

Python

ArcGIS/ArcPy

RELEVANT EXPERIENCE

May 2018 - Present

Intermediate Software Developer, EQWorks Inc

Development and Data Design

- Replaced Carto/Leaflet interface in Client with custom Tegola/MapboxGL
- Modelling data for optimized consumption using Postgres/PostGIS/Python
- Services in AWS Lambda/EC2, Endpoints in Node, Go. UI in React

April 2017 - May 2018

Intermediate Software Developer, CareerJSM

Full-Stack Web Development

- APIs using NodeJS/Ruby on Rails and user interfaces using Ember JS
- Deployment using CircleCI to Azure and Heroku
- Creation of operational deployment procedures & feature toggling

May 2016 - Mar 2017

Web Developer, What to Do Company (w2d.co)

Web Development and Document Automation

- Building APIs using Ruby on Rails and user interfaces using Vue JS
- Manual deployment using AWS EC2
- Creation of procedurally-generated reporting documents
- Creation and consumption of web APIs including ArcGIS Online

Oct 2014 - Mar 2016

Field Technician and Lead Mapper, Integrity North

Field-based mapping, dispatch, radio maintenance and repair

- Daily-changing reference maps for oil exploration.
- Maintenance and manning of mobile detachment for O&G and Firefighting
- Real-time position tracking; Radio Dispatch Support

Jan 2014 - May 2014

Library Technician, University of Ottawa, Geographical Statistical and Government Center

Library and software technical support

- Automation of large-scale geospatial tasks using Python
- Customer service to students and faculty in support of research

Apr 2000 - Mar 2013

Army Technical Communications and Information Systems Specialist (ACISS), Canadian Armed Forces

Various positions and responsibilities. P/T and F/T. Master Corporal

- Command of small communications detachments in support of company-level elements

EDUCATION

Dec 2013

Hon B.Sc, Maj Physics, Maj Geomatics and Spatial Analysis

University of Ottawa

- Linear algebra, multivariable calculus, differentials, particle mechanics, waves and optics, electrodynamics, geomorphology, natural resource management, impact assessments, geospatial problem solving

CERTIFICATION, AWARDS

Chief Scout's Award, 1999

Canadian Forces Decoration, 2013

ESRI Certification - Desktop Associate, 2016



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