

CLARK VAN OYEN

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EXPERIENCE

ECOTRUST CANADA

(Consulting) Chief Technology Officer

January 2014 - present

Vancouver, BC

- Developed original product for traceability and electronic monitoring programs, which have grown to be responsible for the majority of the organization's revenue.
- Provides ongoing technology direction of products; identifies emergent opportunities; selects and mentors technical staff; represents the organization's technology; technology related grant applications and reports.
- Oversees architecture and contributes code to products.

COUNTABLE WEB PRODUCTIONS

Owner

December 2008 - present

New Westminster, BC

- Performs contract work in a variety of web technologies including Django, Node.JS, and client frameworks.
- Performs rapid prototyping to produce minimum viable products to gain an early view of product-market fit.
- Specialized in isolating and fixing bugs in unusual environments (old IE, legacy frameworks).
- Developed Bawksbox (<http://htmlcommentbox.com>) now serving tens of millions of visitors per day.

REDBACK NETWORKS / ERICSSON

ATM Protocol Developer

December 2006 - 2007

Burnaby, BC

- Contributed to the ATM protocol stack in a carrier class router. Developed test coverage tools, investigated a backlog of bugs that spanned other teams modules.
- Refactored codebase to address issues found by a static analysis tool.

CONVEDIA / RADISYS

Automation Specialist, SIP Developer

December 2005 - 2006

Burnaby, BC

- Developed an automated test manager that configured and utilized a lab full of carrier class computing hardware at night when otherwise idle, to test embedded media server product and report results through flexible web based visualizations.
- Wrote the unit test suite for a 3rd party SIP stack integrated by our media server. Contributed to a test harness for the media server product.

TECHNICAL

Languages

Javascript, AWK, HTML, CSS, jade, stylus, OpenGL,
MATLAB, TCL, C, C++, Basic (various), ASP, C#, Java,
Python, Node.JS, PHP, R, CoffeeScript

Protocols

HTTP, TCP, XML, JSON, SOAP, REST

Databases

MySQL, PostgreSQL, Microsoft SQL, MongoDB, Redis, SQLite

OS / Platforms

developed under Windows, Linux, OSX, BSD, lynxos, Android, Arduino

Frameworks

Django, Express, Flask, Wordpress, jQuery, Backbone, Angular, ExtJS, (custom)

Tools

GIT, SVN, AWS, Google App Engine, Scrum

OPEN SOURCE

ECOTRUST CANADA GITHUB

<https://github.com/Ecotrust-Canada>

- Hypochondriapp - Canadian Open Data Experience hackathon entry, see <http://ecotrust-canada.github.io/hypochondriapp/> for a working version.
- Terratruth - A spatial referral management and decision support tool.
- EM Control Box - A remote sensing "firmware" for commercial fishery monitoring (runs in custom embedded linux)

COUNTABLE GITHUB

<https://github.com/countable>

- node-dogecoin - The Node.JS Dogecoin (cryptocurrency) API
- js-fdf - The Node.JS FDF implementation
- Kinect3D - 3d version of Microsoft Kinect API sandbox using WPF 3d objects.
- (forks) - Contributed fixes, features, tests to several bigger OSS projects.

EDUCATION

University of British Columbia

2008

B.S. in Computer Science & Physics
Completed Co-op, Awarded NSERC

Canadian Association of Physicists

2003

85th percentile in CAP Prize Exam

Gulf Islands Film and TV School

2002

Classical Animation Certificate

Boundary Central Secondary

2003

B.S. in Computer Science & Physics
Completed Co-op, Awarded NSERC