

Etienne Laurin

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WORK

RethinkDB 2013 – 2016
Helped develop a NoSQL database. In charge of projects such as the Windows port, the build and packaging system and the testsuite. Made large contributions to the query language implementation and drivers.
C++, JavaScript, Java, Ruby, Python, Bash, Make, Haskell

Soundemote 2017
Audio signal analysis and visualisation. C++

TVA Publications 2010 – 2012
Maintained and partially rewrote their old, messy codebase for building and generating Canada-wide daily TV schedules. Greatly improved the efficiency of data entry and graphic design.
C++, C, PL/SQL, Java, XSLT, Applescript

ProGeo and Geosphair 2009 – 2012
Designed and wrote tools for importing and analysing geographic and geological data.
Python, Visual Basic, IDL

Insum Solutions Inc 2009
Designed and implemented software for converting from Pro*PL/1 to PL/SQL.
PL/SQL, PL/1, C++

Various local businesses 2000 – 2006
Designed websites and provided technical support for Linux, FreeBSD and Windows.
PHP, Perl

OPEN SOURCE PROJECTS

Haxpuck 2011 – 2012
A graphical editor for online multiplayer 2d soccer stadiums.
JavaScript

HIM Cellwriter 2010
Handwriting input plugin for Nokia N900 phone. C

Tomy 2008
An IRC bot for teaching and evaluating Prolog.
Prolog

librethinkdbxx & haskell-rethinkdb 2014 – 2017
Client drivers for RethinkDB. C++, Haskell

OPEN SOURCE CONTRIBUTIONS

RethinkDB 2012 – 2017
I started as an external contributor before being hired. After the company closed, I became the maintainer of the community version.

Chrome 2012
Fixed a bug in favicon rendering C++

IPFS 2015 – 2016
Re-wrote command-line UI and fixed a few bugs. Go

GHC 2009 – 2012
Wrote the first implementation of deferred type errors and beta-tested PolyKinds and DataKinds. Haskell

Code for Charlotte 2016 – 2017
Helped the local government use technology and open data. Notably, helped automate the police department's christmas gift basket program for kids and improved the adopt-a-street UI.
Ruby, JavaScript, PHP

EDUCATION

University of Montreal 2006 – 2009
Studied for a bachelors degree in Computer Science

Parallel computing lab 2007
Developped a code compaction (reverse inlining) phase for the PicoBIT and Gambit compilers. Scheme, C

TEACHING

SUPINFO University 2009 – 2010
Taught *Arithmetic and Cryptography* and *Ethical Hacking and Countermeasures*.

University of Montreal 2006 – 2009
Taught freshmen computer science students how to use the Linux-based lab computers, a requirement for most courses.