# DANIEL HEATH

## Contact Info

Skype Name: daniel.r.heath
daniel@heath.cc
Github

## Work History

**Senior Developer - REinteractive**
Mar 2018 to current

**Senior Developer - REA Group**
November 2013 to Mar 2018

Primary responsibilities & achievements

- Replace hand-maintained suburb information supporting 50+ systems with a GIS implementation. This reduced time to deploy changes from months to days.
- Built and launched the frontend to Ask Izzy (open source)
- Contributed to the new react-based frontend for the sold area of the site

Skills developed:

- Training (ran training & information sessions on flowtype, recovering lost work from git, activerecord & postgres advanced features)
- Use of advanced Postgres features (search, geodata)
- CI / Deployment / Monitoring pipeline design
- AWS (cloudformation, EC2, S3, SNS/SQS & cost optimization)
- Building rich frontends in react & es6

**Senior Developer - 99designs**
August 2012 to Oct 2013

Primary responsibilities

- Development of single-sign-on across all 99designs products (using golang).
- Performance optimization of a Rails app used by designers to find work.

Skills developed:

- Performance profiling across a multi-technology site

- Elasticsearch
- Golang ( https://golang.org/ )

## Rails Programmer - <u>Lonely Planet</u>
May 2010 to August 2012

Primary responsibilities

- Full-stack (js, ruby, capistrano & server config) development of a rich, offline-capable web client for authors & editors on the road.

Skills developed:

- Ruby on Rails, Backbone.js and coffeescript development
- git (source control)

## Rails Programmer - <u>Webfirm Group</u>
September 2009 to May 2010 (9 months)

Primary responsibilities

- Sole developer (from requirements to maintenance) for a workflow application to support the Project Management team
- New intranet site to replace several internal systems and interface with MYOB and Quickbase

Skills developed:

- Ruby on Rails development (inc html, css, javascript)
- MYOB integration
- Barcode generation
- git (source control)

## Delphi Programmer - <u>Retail Directions</u>
August 2007 to September 2009

Primary responsibilities

- Designing & building point of sale & distributed database software in Delphi
- Providing support to clients (both investigation and response)
- Requirements gathering through meetings with clients

Skills developed:

- Delphi / win32
- Maintaining win32 native threaded code
- Socket-level network programming

## Ruby on Rails Developer - <u>World Stock Exchange (Second Life)</u>
July 2007 (short term contract)

Primary responsibilities
- Adding multiple currency support to the existing exchange
- Integration with the World Internet Currency site (now World Dollar )

Skills developed:
- Ruby on Rails
- Payment gateway integration

**Filemaker Developer - Switched-On Knowledge**
2006 Nov - 2007 Feb (3 months summer work)

Primary responsibilities
- Built new packaging system for releases
- Built data import / cleaning process to handle varied external data formats
- Designed & built database systems as part of the filemaker development team

Skills developed:
- SQL (Data importing / cleaning)
- Database design

**Engineering work experience - World Reach Ltd (formerly Tele-IP)**
Summer over 2004 - 2005

Primary responsibilities
- Design & construction of a solar tracking device for solar panels to improve panel yield, electronic circuit assembly and basic administration

Skills developed:
- Electrical circuit design
- Prototype construction

**Skills Table**

| Skill | Proficiency level |
| --- | --- |
| Ruby / Rails | Very Proficient |
| Javascript | Very Proficient |
| Golang | Very Proficient |
| HTML/CSS | Proficient |
| Operations automation (devops) | Proficient |
| TDD | Proficient |
| Git | Proficient |

## Education

Monash University Clayton, Vic
2004-2007

Bachelor of Computer Science, completed June 2007 with a distinction average

Melbourne High School
2003

Victorian Certificate of Education, attained an ENTER score of 90.6

## Other interests & extracurriculars

I have written a couple of rubygems (warnr, rslt).

I've been active in the Melbourne Ruby Users Group since 2007.

At Monash University, I was the secretary of the science fiction / fantasy club, responsible for preparing regular newsletters and keeping committee meeting minutes.

At Monash University, I was also the student/staff representative for all B. Computer Science students at Monash University for over a year.

In addition to my professional language experience, I have experimented with:

- Haskell
- C++
- Perl
- Python
- ML
- Lisp
- Java
- Oracle PL/SQL

## References

Current references available upon request