

# RYAN MILLER

FULL STACK DEVELOPER

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## Skills

### Autonomy

Adept at seeking out and consuming knowledge in order to solve problems. Proactive self educator always learning new concepts and methods.

### Engineering

Educated in building software systems. From analysis and design, through implementation and coding, to deployment and maintenance.

### Literacy

Familiar with a diverse range of information technology paradigms, as well as having a solid grounding in mathematics and the natural sciences.

## Core Technical

JavaScript

Three.js

Clojure

HTML

SVG

Bootstrap

OOP

Git

Linux

Python

React

Reagent

CSS

XML

Semantic UI

Functional

Vim

OSX

C#

Flux / Reflux

Unity3D

DOM

JSON

Material UI

Reactive

Bash

Windows

## Work

### Mobile App Developer, Independent

Nov 2015 - Current

#### Vismod (in development)

Cryptography Algorithm Step-Solver and Visualizer  
- JavaScript, React, SVG, HTML, CSS

#### Lifey Widget (Native iOS)

Approx. 40 downloads / day  
<https://itunes.apple.com/au/app/lifey-widget-life-percent/id1070478026?mt=8>  
- Xcode, Swift

#### Lifey Widget (Native Android)

<https://play.google.com/store/apps/details?id=com.rozifus.android.lifeywidget>  
- Android Studio, Java

#### Lifey Widget (Resources)

Icons, Images, Provisioning, Marketing, etc  
<https://www.facebook.com/lifeywidget/>  
<https://twitter.com/lifeywidget>  
- GIMP, iTunes Connect, Google Play Developer Console, Twitter Ads

#### Lifey Widget (Unity3D Prototype)

- Unity3D, C#, Python

### Mobile Game Developer, Independent

Nov 2014 - Oct 2015

#### Game Prototypes

WobbleRocket - 2D open-world rocket game  
Rushie - Pipedream clone  
Hopp - 3D runner game  
Parachute - Parachute clone  
Geeku - Sudoku variant around prime numbers  
ShadyGames - Color matching game  
- Unity3D, C#, VoxelShop

## Front End Engineer, Ersatz Labs

August 2014 - Nov 2014

### Wordcloud t-SNE Tech Demo Updates

<http://rozifus.github.io/wordcloud/>  
- Three.js, jQuery, CSS

### Ersatz Integrated Data Projector for t-SNE Visualization

- Three.js, CoffeeScript, jQuery, React

### Misc. Ersatz Platform Work

- JavaScript, React, Python, Django, D3, SVG

## Cryptocurrency Trading and Web Development, Independent

2013 - 2014

### Bitcoin/Altcoin Trading

Buying, Selling, Research

### Filtercoin Scraper

Data Scraper and Builder  
- Python (urllib, lxml)

### Filtercoin Website

Curated Filter Engine for Cryptocurrency Links  
- JavaScript, jQuery, Handlebars

## Mobile App Developer, Independent

2012 - 2013

### Worth My Time?

Generated approx 5 downloads per day  
Released for iPhone / iPad / Android  
- JavaScript, Sencha Touch, Cordova, Android SDK, XCode

### rozifus.com (2013)

- HTML, CSS, JavaScript, Jekyll, Github Pages, Twitter Bootstrap, Social Media Integration

### Easy Baby Logger

Released for Android  
- JavaScript, Sencha Touch, Cordova, Android SDK

### rozifus.com (2012)

- HTML, CSS, JavaScript, Node.js, Express.js, Twitter Bootstrap

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## Education

### Deakin University

2009 - 2012

#### Bachelor of Information Technology

#### *Computer Science and Software Development*

- Completed with Distinction  
- HD Average (82.6)  
- Team Leader for SIT301 'IT Practice' Unit

### Coursera

2013 - Current

#### An Introduction to Interactive Programming in Python

*Rice University*

#### Bioinformatics

*University of California, San Diego*

### 10Gen

#### MongoDB for Developers

*10Gen - The MongoDB Company*

#### MongoDB for Database Administrators

*10Gen - The MongoDB Company*

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## Side Projects

### Practical

#### Private Gitolite Server

- Ubuntu Server, gitolite, ssh
- Hosted on Rackspace

#### Virtualized Dev Server

- Ubuntu Server, KVM, libvirt
- Hosted on local hardware

### Tech Demos

#### Imgboard Frontend

<https://github.com/rozifus/decent-chat-frontend-reagent>  
- ClojureScript, React, Reagent, Re-Frame, filereader.js, dropzone.js

#### Arimaa Game Frontend

<https://github.com/rozifus/arimaa-react>  
- JavaScript, React, Flux, Semantic UI

### Hackathons

#### TADHack 2016 Japan Mini

3D Chat - Team Entry  
<https://www.youtube.com/watch?v=dXaQeSJG2jk>  
- JavaScript, WebRTC, Kinect, ROS, PCL, Ubuntu

#### Github Game-Off 2012

Gitium Chromoblockatics  
<https://github.com/rozifus/game-off-2012#gitium-chromoblockatics>

#### PyWeek

No. 17 - Python on Rails - Team Entry  
<http://www.pyweek.org/e/NSteamstrong/>

No. 15 - Moon Pytrol - Team Entry  
<http://www.pyweek.org/e/team-strong/>

No. 12 - Schrodinger's Cat - Team Entry  
<http://www.pyweek.org/e/TeamStrong/>

### Coding Challenges

#### Project Euler

Python (Team)  
Golang (Solo)  
Clojure (Solo)

**52 Problems Solved**  
**36 Problems Solved**  
**3 Problems Solved**

#### 4Clojure

Clojure (Solo)

**63 Problems Solved**

#### Sphere Project Online Judge

Golang (Solo)

**4 Problems Solved**

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## Hobbies

Time with Friends

Gym Classes

Salsa Dancing

Learning Spanish

Sci-Fi

Guitar

Chiptunes + Retrowave

Veggie Patch

Philosophy