# 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.

### CoreTechnical

1. JavaScript
2. Python
3. C#
4. Three.js
5. React
6. Flux / Reflux
7. Clojure
8. Reagent
9. Unity3D
10. HTML
11. CSS
12. DOM
13. SVG
14. XML
15. JSON
16. Bootstrap
17. Semantic UI
18. Material UI
19. OOP
20. Functional
21. Reactive
22. Git
23. Vim
24. Bash
25. Linux
26. OSX
27. 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

### 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 Univerity*

*Bioinformatics* *University of California, San Diego*

10Gen

: *MongoDB for Developers* *10Gen - The MongoDB Company*

: *MongoDB for Database Administrators* *10Gen - The MongoDB Company*

### Side Projects

Practical

: *Private Gitolite Server* - Ubuntu Server, gitolite, ssh - Hosted on Rackspace

: *Virtualized Dev Server* - Ubuntu Server, KVM, libvert - 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) **52 Problems Solved** Golang (Solo) **36 Problems Solved** Clojure (Solo) **3 Problems Solved**

*4Clojure* Clojure (Solo) **63 Problems Solved**

*Sphere Project Online Judge* Golang (Solo) **4 Problems Solved**

### Hobbies

1. Time with Friends
2. Gym Classes
3. Salsa Dancing
4. Learning Spanish
5. Sci-Fi
6. Guitar
7. Chiptunes + Retrowave
8. Veggie Patch
9. Philosophy

### Footer

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