

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

Swift

Golang

React

HTML

SVG

Bootstrap

OOP

Git

Linux

Python

Java

Unity3D

Flux / Reflux

CSS

XML

Semantic UI

Functional

Vim

OSX

C#

Clojure

Three.js

Reagent

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

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

Side Projects

Exploration

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

Hobbies

Time with Friends

Gym Classes

Salsa Dancing

Learning Spanish

Sci-Fi

Guitar

Chiptunes + Retrowave

Veggie Patch

Philosophy
