

# Robert Polana

## Web Application Engineer

[tinyfunc.com](http://tinyfunc.com)

[robby.polana@gmail.com](mailto:robby.polana@gmail.com)

[github.com/robbywashere](https://github.com/robbywashere)

[resume.pdf](#)

[view source](#)

Debugging, refactoring, testing, grepping, console.logging, awking, acking, regularly expressioning, parsing, bashing, piping, patching, migrating, compiling, transpiling, requesting, reviewing, committing and *safely* rebasing my way through life while resisting the brazen impulse of pushing directly to prod.

### Skills

<b>Languages:</b>	Javascript	TypeScript	Ruby	Python	Go
<b>Data:</b>	PostgreSQL	MySQL	ORMs	active-record	NoSQL
<b>Deploy:</b>	docker	AWS	12-factor-apps	micro-services	serverless
<b>Markup:</b>	jsx	jss	styled-components	sass	css
<b>State:</b>	GraphQL	Redux	REST	oauth + jwt + sessions	single-page-app architecture
<b>Workflow:</b>	tdd	git	tcb	testing, testing, testing	
<b>Front End:</b>	ReactJS	AngularJS	GatsbyJS	d3	bootstrap
<b>Back End:</b>	NodeJS + Express	Ruby on Rails	Django		

### Experience

#### Appirio Inc.

##### Technical Lead / October 2016 - November 2017

- Designed and built enterprise level solutions to meet organizational standards, demands and workloads.
- Mentored, tutored and evangelized new technologies and practices for a modern stack solution to meet enterprise level requirements, such as scalability, access control, auditing and security.
- Triaged, created and managed issues/tasks with our offshore development team.
- Traveled on-site to meet with clients to determine project requirements and deliverables
- **Technologies used: NodeJS+express, React+Redux, GraphQL, Postgres**

#### MustWin

##### Lead Application Engineer Consultant / May 2015 - February 2016

- Contributed non-trivial pieces of core back-end functionality to a custom scalable Docker platform product used by developers commercially for an industry leading client.
- Designed and implemented single-page-app architecture methodology and advanced front-end components to compliment the functionality of the back-end Docker platform product.
- Showed initiative by improving testing and build integrity, which proved critical in developing a *developer platform*
- Developed from the ground up using Go, a complete back-up and restore service for CassandraDB; a NoSQL distributed database.
- **Technologies used: Go, AngularJS, Java, Docker, CassandraDB**

## **Mimir Health Intelligence**

### **Senior Software Engineer / November 2014 - February 2015**

- Solely developed and deployed the full stack of a MVP (minimum viable product) to a big data and analytics visualization service.
- Utilized knowledge of the full stack implementation using a combination of Ruby on Rails, Angular and NodeJS technologies and their respective ecosystems to meet time-sensitive and transitory requirements during the prototyping and MVP roll-out
- Established software development cycle practices and processes - tracking of features / requirements, logging bugs, and outlining sprints
- **Technologies used: Ruby On Rails, AngularJS, NodeJS, AWS**

## **Razorfish**

### **Senior Software Engineer / June 2014 - October 2014**

- Facilitated accessibility/a11y; a key essential requirement of a particular large scale product, by implementing cross-browser knowledge, w3c compliant HTML standards and testing; including cross device and various screen reader software.
- Supported and mentored junior developers in javascript, coffeescript, sass and css idioms and best-practices.
- Participated and assisted in conducting open monthly accessibility meet-ups to further accessibility perspective and encourage collaboration amongst the local developer community and their end users
- **Technologies used: AngularJS, Coffeescript, sass, and css**

## **ShipStation**

### **Senior Front-End Engineer / August 2013 - December 2013**

- Outlined and implemented the foundation for modular javascript front-end components and assets for a rebuild of an exceptionally complex and feature rich single page application.
- Introduced and mentored a newer and more foundational paradigm; MVP (model view presenter via BackboneJS);
- Lead the transition from an existing jQuery heavy project to a more debuggable, extendable, and maintainable codebase
- Authored a highly customized data visualization library built using d3 to suite the contemporary design of a 2.0 version of the platform.
- **Technologies used: NodeJS, BackboneJS + Marionette, d3, Requirejs/AMD**

## **Cooking Planit**

### **Web Application Engineer / April 2012 - July 2012**

- Contributed, refactored and developed the core basis of both the javascript enhanced front-end, while meeting the challenge to maintain a multi-device sharing restful back-end API.
- Added value by refactoring SQL queries and data integrity of the application and structure of the database.
- Lead the transition from UI and UX mock-ups and stories to actual implementations in JS, CSS and HTML.
- **Technologies used: PHP / LAMP Stack, BackboneJS, Javascript and MySQL**

## **Spawn Labs**

### **Web Service Engineer / August 2011 - December 2011**

- Solely authored a multi-node job scheduler and service to consolidate and process application usage data for client billing.
- Utilized test driven development for crucial function as client-billing and usage statistics.
- Designed and implemented a full stack client facing admin dashboard and data visualization components for service usage statistics.
- **Technologies used: Postgres, Python, Django, Java and Javascript**

## **Fuery Solutions**

### **Junior Developer / January 2011 - July 2011**

- Took the lead with multiple client consulting for our web application development team.
- Contributed pertinent code and functionality to our in house product; a full featured suite for law firms to manage their legal cases.
- Developed built, maintained, and extended solutions for clients with various needs utilizing multiple tools and environments
- **Technologies used: Wordpress, Drupal, Perl, AWS, PHP / LAMP Stack and Javascript**

## **Telefund**

### **Database and Systems Administrator / March 2010 - November 2010**

- Coordinated tech-support and systems administration across 3 timezones and 4 different locations.
- Took the lead and initiative in authoring scripts automating reporting and ETL (extract transform load) processes.
- Coordinated and executed maintenance and repairs to essential IT company-wide infrastructure
- **Technologies used: Perl, MySql, Unix, bash**