

A contextual thinker with a practical bent and a human focus.

## Icebreakers

I'm a shy extrovert

I play in a weekly Dungeons and Dragons game where I am a Bard.

Communication is most effective when you actively model your partner and validate the model with them.

I'm a regular player of Sirlin's Codex.

## Portfolio

### jwt-auth gem (ruby)

Source Link

Tech: Ruby, Rack, RSpec, JWT

- Project I did after my apprenticeship to consolidate lessons learned
- Gem can be included in rails and non-rails apps to provide jwt-cookie behavior and sessions

### Java code katas

Tech: Java, JUnit

rover source - Code kata to learn Java  
salesTaxCalculator source - Code kata to practice java

### cmm\_tasks (rails)

Source link

Tech: Ruby, RSpec, JavaScript

- Code day project for my apprenticeship

### Maitre-DBC (rails)

Hosted link, Source link

**Tech:** Ruby, JavaScript, Rails, Backbone, D3, RSpec, Capybara, jQuery, PostgreSQL, Active Record, ERB, HTML5, CSS

Group final project for DBC, built in 8 days.

My role was implementing

- Backbone models,
- rebuilding D3 visual to use model data,
- getting data from D3 to display on mouseover,
- setting up heroku,
- setting up sessions,
- basic crud for guests.

## Keywords

### TECHNOLOGIES:

Rails, Rack, Sinatra, Bootstrap, ActiveRecord, Git, jQuery, AJAX, Sidekiq, Backbone.js, PostgreSQL, ERB, HAML, RSpec, Capybara, JUnit, vagrant, PHPUnit, zend

### LANGUAGES:

Ruby, Java, JavaScript (JS), PHP, HTML, CSS

### PATTERNS:

Trailblazer (post-MVC), Object Oriented (OO), Test Driven (TDD), Pair programming, agile (little a), refactoring, engineering-empathy (EE)

## Skills

### Technical Skills

**New Applications:** stand up green-field ruby applications in a classic rails or trailblazer pattern

**Extend Applications:** modify behavior of existing micro-services applications (ruby, PHP, Java) in well tested / safe ways

**Refactor Applications:** use/write tests to safely change existing applications to be more maintainable

**Trailblazer:** implement this post-MVC design pattern (adds abstraction layers to M+C and/or V) to new or legacy apps

**Rack Middleware:** extend or refactor gems / applications which operate within the rack-stack

**Sidekiq:** use sidekiq to add asynchronous background behavior to new/existing application

**Backbone / jQuery:** use backbone or jQuery to add asynchronous front-end behavior to new/existing application

**Redis:** use redis to cache and retrieve frequently referenced information

### Cultural Skills

**Active Communication:** Listens to, confirms, and communicates the vision/intent of a product-owner for a project, placing PO needs over developer wants.

**Transparency:** Clearly communicate project status and challenges / opportunities to both technical and non-technical stake-holders.

**Solicit Buy-in:** Routinely seeks buy-in from other developers via 3-amigos / pair-programming / code-review / informal-consult / etc

**Feedback:** Routinely provides feedback where organizationally appropriate / requested. Presents feedback so that it includes both premises and conclusions, giving it a more rational / actionable basis.

## Experience

### Cover My Meds - apprenticeship

#### Micro-Service Authorization

As a mile stone for deprecating a legacy monolith, developed a micro-service which managed sessions for a hybrid micro-service + monolith ecosystem.

**Technologies:** JsonWebTokens (JWT), JsonWebKeys (JWK), RSA keys, Trailblazer-rails, Rack, Sidekiq, Redis, Ldap, PHP, PHPUnit

- Built a central application in a trailblazer pattern which was responsible for generating and managing JWT's which would be set in users's sessions.
- Worked on a companion gem which used rack-middleware to provide shared session behavior for client-applications auto-magically.
- Worked on a legacy PHP-monolith so that it can shadow the above gems behavior during the transition.

### Other Projects

Worked on a number of small one-off projects in support of various business goals.

**Technologies:** Sidekiq, MVC-rails

- Added a patch to existing applications to address discovered security vulnerability.
- Wrote a periodic sidekiq worker that deletes sensitive information matching defined business criteria.
- Added a patch to existing applications which passed stubbed user-credentials on a test-server, allowing marketing to easily perform focus-group work in a production-like environment.

### Before Coding

#### Army National Guard - IL

- Specialist and team-leader in E Co, 634 B.S.B.
- Drove trucks in close support of infantry units.

### ComPsych

- Determined probable liability of FMLA claims and administered qualifying absences for clients.
- Communicated with HR about how regulations applied to the client's specific situations and what risks were associated with different courses of action.
- Communicated with employees their entitlements and status.

## Education

IL Institute of Technology (IIT)

NL Heald Merit Scholarship - 4yr

Dev Bootcamp (DBC)