

# Hugo Melo

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Hugo Melo

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## >LANGUAGES AND TECHNOLOGIES

- **Proficient:** Ruby, Rails, RSpec, Capybara, HTML5, CSS3, JavaScript, Node.js, Express, SQL, MySQL, PostgreSQL, Redis, Memcached, Git, Heroku, AWS, vim, tmux
- **Exposure:** EmberJS, ReactJS, Python, D3.js, MongoDB, Sinatra, Go, Rust, AWS, solidity, bitcoin

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## >PROFESSIONAL EXPERIENCE

### **Cloak | Backend Software Engineer | Remote**

Sept 2018 - Feb 2019

- Implemented design of initial web presence to <https://cloak.world> with email capture.
- Introduced testing, discovering and fixing dozens of security issues ranging from db write access, web server issues, to mobile debugging for initial MVP.

### **Nonpariel Capital | Full-stack Software Engineer | San Francisco**

August 2017 - Nov 2017

- Used Javascript and Solidity to deploy the smart contract system managing ERC20 tokens and a crowdsale.
- Edited the white paper detailing trading algorithms, designing and managing deployments of it to a website.

### **Freshly | Full-stack Software Engineer | NYC**

Sept 2016 - March 2017

- Re-engineered the core algorithm for swapping sold out meals with the directors of engineering and product, applying it to a new bootstrap-based UI component for efficient reordering.
- By updating the database schema and related API endpoints, I automated order fulfillment sheet generation so workers along the assembly line have a more efficient process for packing meals into order boxes, saving key factory managers several hours per week and reducing error rates for factory workers.
- Investigating activity in the database, app server, and all external services, I identified and made several solutions for a 3rd party bug that broke our checkout flow.

### **Culinary Agents | Full-stack Software Engineer | NYC**

Nov 2015 - Jan 2016

- Tested the entire codebase using RSpec and Capybara in over 1700 unit, integration, and acceptance tests, bringing the test coverage from non-existent to over 80%.
- After instrumenting monitoring tools, mapping a roadmap of API changes, and planning a rollout process, I upgraded the live site from 3.2 to 4.2, bringing a 2x improvement in ruby database performance, faster boot times for developers, and a more secure API for the web app by using strong parameters.

### **Keep Me Honest | Ruby on Rails Developer | San Francisco**

Feb 2015 - June 2015

- Leading a team of 6 apprentice engineers, we taught object-oriented design and testing with ruby by building a Twitter-powered todo list.

### **Inboxvudu | Full-stack Software Engineer | San Francisco**

April 2015 - Sept 2015

- Led integrations of NLP insights to email inboxes by using bootstrap to create the todo page highlighting actionable emails.

### **GreatSchools | Ruby on Rails Developer | Oakland**

Feb 2014 - July 2014

- Consolidated frontend HTML and CSS by creating a common set of components and classes as a style guide to use across the site, removing hundreds of lines of redundant code, improving site consistency, increasing development speed, and mentoring other developers.

### **Bookvibe | Ruby on Rails Developer | Remote**

Nov 2013 - Feb 2014

- Working with the CTO in an agile process, I incorporated machine learning results into a rails and vanilla javascript application to provide several hundred thousand book recommendations.

### **Carbon Five | Junior Developer | San Francisco**

Oct 2012 - June 2013

- Using d3 and ruby, implemented analyst tools to detect and report suspicious activity reports on the Square payment network
- Pair programmed a PostGIS, node, and BackboneJS application to launch the MVP of a direct civic engagement platform with every local representative in the country.