Rob Hilgefort

Senior software engineer proficient in Javascript. Passionate about composition, static typing, and generally maintainable coding practices through Functional Programming. See side bar for highlighted/recent technology experience.

--------------@gmail.com
Rob.Hilgefort.me
555-555-5555

Denver, CO, 80126

EXPERIENCE

(Stealth Startup) – Denver, CO   2018–2019

Engineering Manager / Senior Backend Software Engineer

- Integrated into an established and mature Cryptocurrency/Blockchain exchange company as a senior backend engineer. I was soon asked to become an engineering manager after 3 months during a reorg.
- Worked on the market/exchange platform team responsible for trading coins and communicating to other parts of the business.
- Helped establish coding standards / overall process, and mentored developers as an engineering manager.
- *Javascript, Node, ES7, Express, GraphQL, React, Mongo, PostgreSQL Ramda, Lodash, Functional Programming, Docker, RabbitMQ, Redis, Repository Pattern, Blockchain.*

Charter – Denver, CO   2018

Senior Front End Developer

- Worked for a "startup" team inside Charter Communications that was building an in-house A-B Testing Framework.
- Implemented feature requests from FE to BE in React, Apollo, GraphQL, and Mongo around user and experiment management.
- *Javascript, Node, ES7, GraphQL, Apollo, React, Redux, Mongo, CSS3, HTML5, Ramda, Lodash, Lenses, Recompose, Functional Programming, Docker, Python, Machine Learning.*

Losant, IOT – Cincinnati, OH   2017–2018

Senior Backend Software Engineer

- Worked as a Backend/Infrastructure Engineer on a small team to develop a platform/product through series A funding and team expansion.
- Developed on an IoT backend platform and frontend application that allowed IFTTT styled workflows based on streaming data.
- Built a service discover nginx load balancer on top of Docker Cloud which was integrated into a MongoDB domain collection.
- *Javascript, Node, ES6, Express, React, Mongo, Webpack, Ramda, Lodash, Tcomb, Functional Programming, Docker, Kairos, Cassandra, MQTT, RabbitMQ, Redis, Google Cloud Platform, Docker Cloud.*

Coding Style / Philosophy

General – – – – – – – –	8y
OOP – – – – – – – – – –	7y
FP – – – – – – – – – – –	3y

LANGUAGES

Javascript / ES – – – – – –	6y
Node – – – – – – – – – – –	6y
ReasonML / Ocaml – – –	0.5y
PureScript / Haskell – –	0.5y
Lua / Moonscript – – – –	1y
eLisp – – – – – – – – – – –	3y
VimScript – – – – – – – –	4y

FRAMEWORKS / LIBRARIES

Express – – – – – – – –	5y
GraphQL – – – – – – – –	1y
React – – – – – – – – – –	3y
Redux – – – – – – – – –	2y
Apollo – – – – – – – – –	1y
Mocha/Chai/Jest – – –	6y
React – – – – – – – – – –	3y
Redux – – – – – – – – –	2y
GatsbyJS – – – – – – – –	1y
NextJS – – – – – – – – –	0.5y
Mongoose – – – – – – –	2y
Ramda – – – – – – – – –	3y
Sanctuary – – – – – – –	2y
Lodash – – – – – – – – –	4y
Lenses – – – – – – – – –	1y
tcomb/io-ts – – – – – –	2y
Styled Components – –	2y
Recompose – – – – – –	1y

Small World Social – San Francisco, CA   2016-2017

Senior Software Engineer

- Worked remotely on a small team of 4 senior developers. Acted as Co-CTO with another senior developer in the absence of one.
- Maintained and developed on a legacy node platform / api built with a plugin, microservices architecture.
- Managed and serviced all production products which includes managing their AWS suite.
- Created new processes for development workflow and better communication with the business team. Moved company to Trello, as well as GitHub/ZenHub for engineering oversight/planning.
- Architected and built a React/Redux app to replace a prototype app.
- Managed a migration from Modulus to AWS using Docker.
- *Javascript, Node, ES6, Express, React, Redux, Mongo, CSS3, HTML5, Webpack, Ramda, Sanctuary, Flow, Lodash, Functional Programming, Docker, Styled Components.*

Zipscene – Cincinnati, OH   2013-2016

Director, Technology

- Lead and managed a five person development team.
- Architected, lead, managed, and developed a phonegap-first application platform to quickly supply restaurants with location searching, menu browsing, online ordering, account management, and loyalty. Deployed to five clients, can be found in Apple and Android stores.
- Worked in tandem to build an online ordering back-end platform
- Supported another lead developer in finishing a dashboard CMS for clients to manage data.
- Helped manage infrastructure on AWS including domain management, ssl certs, S3 data, and more.
- *Javascript, Node, ES6, Express, Ember, Ember-cli, Mongo, Mongoose, Elasticsearch, Redis, AWS, CSS3, HTML5, Grunt, Phonegap, XCode, Android, iOS, Google Maps.*

Powernet Global – Fairfield, OH   2012-2013

Lead Software Engineer – Web

- Developed a contracts database, ajax heavy (30+ calls), single page web application interface based on designs/legal specs.
- Designed and architected an inventory management system crud single page, ajax driven, web application featuring a barcode scanner module in collaboration with an Oracle / Java team.
- Collaborated to create vendor management bundle in Symfony 1.1.
- Developed SOAP web service that consumed Verizon, Sprint, and others' WSDLs for real-time quotes.
- *PHP, Oracle DB, Symfony 1.1 & 2.0, Doctrine2, Propel, Javascript, jQuery –UI, HTML5, CSS3, LESS, Bootstrap, Font Awesome, Underscore, jTable, Ruby,*

DATABASES / AMQP

Mongo - - - - - - - - - 6y
RabbitMQ - - - - - - - 2y
PostgreSQL - - - - - 0.5y
Karios - - - - - - - - 0.5y

OS / Infrastructure

Mac - - - - - - - - - - - 8y
Linux - - - - - - - - - - 6y
AWS - - - - - - - - - - 3.5y
GCE/GCP - - - - - - - 1y
Docker - - - - - - - - 3y

Whoami

Web - - - - - rob.hilgefort.me
Twitter - - - - - - rjhilgefort
Facebook - - - - rob.hilgefort
GitHub - - - - - - -rjhilgefort
Npm - - - - - - - - rjhilgefort

DEV ENVIRONMENT / TOOLS

Mac, Homebrew, Alfred, Hammerspoon, Chrome, Trello, Github, Zenhub, iTerm2, Zsh, Antigen, Tmux, Spacemacs (emacs), Vim, Tig, Magit, Dash, Ergodox infinity, Planck, Pocket, Todoist, Airmail, Fantastical, Harvest, Slack, Coffee, Tea.

HOBBIES

Hiking, Road Running, Trail Running, Road Cycling, Mountain Biking, Skiing, Snowboarding, National Ski Patrol, Ping Pong, Golf, Tennis, Music, Tabletop Games, TCGs, Coding, Mechanical Keyboards, Blockchain.

Capistrano, Capifony, Node

Procter & Gamble - Mason, OH   *2012*

Web Programmer

- Implemented web surveys as described by design docs.
- Performed statistical analysis on resulting data.
- Created plugins/extensions as needed for data manipulation.
- *Python, HTML, CSS, JS, Perl, SPSS, SMRT, Desktop Reporter*

Siemens PLM Software - Milford, OH   *2011-2012*

Software Engineer

- Corrected bugs & implemented features to a Java application that migrates CAD data to Siemens's NX data for use with TeamCenter.
- Architected and executed an automated QA tool with an intelligent, sortable table front-end.
- Delegated tasks as project lead on aforementioned QA tool.
- *Java, Perl, HTML, Javascript, Teamcenter, NX*

EDUCATION

University of Kentucky - Lexington, KY   *2010*

B.A. Philosophy, Computer Science Minor, Psychology Minor

- Relevant Coursework: Web Development, Algorithm Design/Analysis, Software Architecture, Operating Systems
- *Java, Perl, C#, JavaScript, PHP, MySQL, HTML, CSS*

OPEN SOURCE PROJECTS

Github @rjhilgefort   *2011-present*

github.com/rjhilgefort

- The code for many of the projects (below) is hosted on GitHub- along with some open source projects I've hacked on, and/or contributed to.
- I would encourage you to poke around there as there a many small projects not mentioned below.

Crypto Orderbook API & APP   *2018*
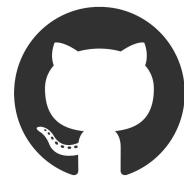
rjhilgefort/crypto-orderbook-api *&* rjhilgefort/crypto-orderbook-app

- The beginnings of an aggregate orderbook on top of Bittrex and Poloniex.
- This project was built as a coding test for ShapeShift and features a TypeScript + Ramda implementation. Uses React and Semantic UI on the FE.
- *FP, Node.js, TypeScript, Ramda, Jest, React, Recompose, Express, Semantic UI*

ReasonML Playground   *2018*

github.com/rjhilgefort/reasonml-playground

- Started developing a "talk" on ReasonML and began building code snippets that give a concise tour of the language.
- During the time I was building the talk, I was integrating ReasonML into a Journaling application that I've been building (private repo). I would love to show this code on a call if interested.

Moments Album Scraper   *2018*

github.com/rjhilgefort/moments-album-scraper

- My family tends to take photos and put them on Facebook's Moments app, which is great, but then you can't download the album. So, I created a web scraper script to download any album you want from your account!
- *FP, Ramda, PhantomJS, Higher Order Functions*

Github User Activity   *2018*

github.com/rjhilgefort/github-user-activity

- Dissatisfied with how GH showed users' repository page, I created a quick website that hit GH's GraphQL API to build a FE that fit what I wanted.
- Techwise, this project explored Styled Components, React, Recompose.
- *FP, Ramda, Jest, React, Recompose, Styled Components, Semantic UI*

@rjhilgefort/export-dir   *2017*

github.com/rjhilgefort/export-dir

- An open source project I maintain to support a small amount of users.
- Tiny package that allows for declarative directory exports based on the contents of that directory.
- *FP, Node.js, Ramda, Jest, CommonJS*

Omnibelt   *2017*

losant.github.io/omnibelt

- A common pattern that I build to consolidate utility code and libraries like Lodash and Ramda. Omnibelt is the formalization of that effort.
- Features a JSDoc generated documentation site.
- *Ramda, Lodash, Functional Programming, JSDoc*
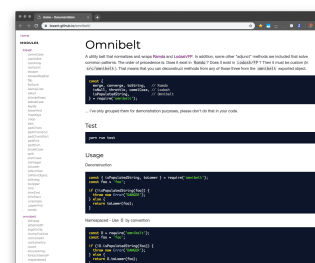
Geocoder CLI   *2017*

github.com/rjhilgefort/geocoder-cli

- A small example project I completed as part of an interview process. The ask was to geocode some addresses and parse the results. The spec is located at the root of the project.
- Features a no-userland modules solution using just Node.js core.
- *Node.js core, FP, jest, eslint, Google Maps API*

Driver Trip Stats   *2017*

github.com/rjhilgefort/driver-trip-stats

- A small example project I completed as part of an interview process that showcases an over-engineered (by request) CLI application which parses a text file and outputs the results.
- Showcases an ETL process written in an FP style using Ramda.
- *FP, ramda, tcomb, jest, eslint, commander*

lodash-extras   *2015–2017*

github.com/rjhilgefort/lodash-extras

- An opinionated lodash modification with "extras."
- These extras are things that I've needed over the years, and/or things I thought lodash could do a bit better.
- *javascript, node, gulp, es6, lodash, ember*

Hammerspoon Layout Manager   *2015*

github.com/rjhilgefort/.hammerspoon

- Intended to be a Slate.js companion-ish app to manage layout arrangements as well as smart layouts in OSX.
- *Hammerspoon, Lua, Moonscript, Busted*

Git Merge Forward   *2015*

github.com/rjhilgefort/git-merge-forward

- A git "extra" style helper to merge semantic versioned branch names forward chronologically (ascending).
- *Javascript, Node, Shell.js, underscore.js*

dotfiles   *2014–present*

github.com/rjhilgefort/dotfiles

- The perpetual project. My configuration files for as many os environment tools possible. Updated daily.
- This project houses my Vim and Spacemac projects as submodules.
- *bash, zsh, elisp, vimscript, lua, emacs, vim, tmux, spacemacs.*