

# DAVID J. REED

**Availability:** January - September 2019

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## EXPERIENCE

**Software Engineer at Alignable** — Boston, MA

*January 2018 – June 2018*

- Used Ruby on Rails to work on a small business social network, upgrading from Rails 4 to 5
- Worked in ES5/6 with HAML to add front-end elements alongside respective back-end Rails endpoints
- Decreased Postgres query times for inter-service API calls, reducing webpage load times by 90%
- Created Rails 5 administration pages for use by marketing, growth, and engagement teams
- Worked in an Agile environment with a focus on test-driven development
- Created and maintained multiple Slack bots to increase productivity in the workplace
- Documented and presented projects to non-technical team members to better organize workflow
- Developed a rapid prototype for a React-based Sinatra app to visualize PostGIS data

**Software Engineer at Virtyx Technologies** — Quincy, MA

*January 2017 – August 2017*

- Developed a daemon/service-compatible Golang software agent with communication over HTTP, TCP, and UDP
- Designed, created, and tested front-end dashboard components in AngularJS 2
- Developed RESTful APIs for data collection and front-end support in Java using Spring Web MVC
- Integrated geolocation and metadata gathering with the browser to map user locations
- Decreased end-to-end transaction time by 50% through more efficient SQL usage and data processing
- Coordinated with team members to architect new systems as customer needs evolved

**Client Systems Tech at Health1 Technologies** — Woodstock, VT

*October 2014 – February 2015*

- Oversaw 50+ servers for maintenance and error-handling.
- Created and handled server redundancy systems during high-traffic periods.
- Corresponded with management to summarize bug occurrences and actions taken to repair services.

## EDUCATION

**Bachelor of Science in Computer Science**

*Dean's List, 3.5 G.P.A. with Honors*

**Northeastern University** — Boston, MA

*September 2015 – Exp. December 2019*

## TECHNICAL SKILLS

**Experienced:** Golang, SQL, Java (Spring MVC), Git, C, Ruby (Rails, Sinatra), Docker

**Proficient:** Javascript (React, Node.js, ES5/6), HTML, CSS, GNU Make, Elixir (Phoenix)

**Familiar:** LaTeX, Scheme, Shell Scripting, Nginx, MIPS Assembly

## CERTIFICATIONS AND INTERESTS

- AED, First-Aid, and CPR Provider
- Lead Climb and Belay certified
- PADI Open-Water SCUBA Diver