

DAVID REED

Availability: January 2019 - September 2019

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EXPERIENCE AND PROJECTS

Software Engineer at Alignable — Boston, MA

January 2018–Present

- Contributed to a Ruby on Rails-based small business social platform, upgrading from Rails 4 to 5
- Decreased Postgres query times for inter-service API calls, reducing webpage load times by 90%
- Created Rails 5 administration pages for use by marketing 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 workspace
- Documented and presented projects to non-technical team members to better organize workflow
- Developed the 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

B.S. Comp. Sci. and Mathematics Candidate

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

Northeastern University — Boston, MA

September 2015–Present

TECHNICAL SKILLS

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

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