David J. Reed

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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
- 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

Education

B.S. Computer Science, Minor in Mathematics   ***Northeastern University*** — Boston, MA
Dean's List, 3.5 G.P.A.   *September 2015 – Exp. December 2019*

Relevant Classes: Fundamentals I and II, Object Oriented Design, Web Development, Computer Systems, Software Development, Theory of Computation, Programming Languages, Algorithms & Data, Introduction to Cryptography

Projects (class and personal): Multiplayer Javascript Physics Game, Thread-safe Memory Allocator & File System, Assorted Slack & Discord Bots, Cryptocurrency Tracking Site

Technical Skills

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

Proficient: Javascript (React, Node.js, ES5/6), HTML, CSS, C, LaTeX, GNU Make

Familiar: Scheme Family, Shell Scripting, Nginx

Certifications/Interests

- AED, First-Aid, and CPR Provider
- PADI Open-Water SCUBA Diver
- Lead Climb and Belay certified
- MtG and DotA 2

References

Available upon request