

DAVID REED

Availability: January 2018 - September 2018

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PROFESSIONAL EXPERIENCE

Software Engineer at Virtyx Technologies — Quincy, MA

January 2017–August 2017

- Developed, tested, and deployed a daemon/service-compatible golang software agent for use with data transfers over HTTP and low-level communication protocols
- Created and tested front-end dashboard components in AngularJS 2 to coordinate with thematic design principles and streamline the user experience
- Leveraged Java 8 alongside the Apache common libraries to create and test data parsers
- Developed, tested, and deployed RESTful CRUD APIs for software agent data collection, and front-end data retrieval, in Java using the Spring framework
- Integrated 3rd-party API calls to facilitate geolocation and metadata gathering
- Assisted in the management of a PostgreSQL database alongside efficient JDBC wrapping
- Decreased end-to-end transaction time by 80% through more efficient SQL usage and data processing
- Coordinated with team members to architect new systems as customer needs evolved

Office Assistant at Northeastern University — Boston, MA

October 2015–January 2017

- Organized student needs and relayed requests to respective university faculty and staff
- Used Microsoft Word and Excel to record and format student and faculty records

Client Systems Tech at Health1 Technologies — Woostock, 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, 3.4 G.P.A. with Honors

Northeastern University — Boston, MA

September 2015–Present

TECHNICAL SKILLS

Experienced: Golang, JavaScript (Node.js, JQuery, base), Java, HTML, CSS, Git, Elixir (Phoenix), C

Proficient: C, Python, PostgreSQL, AngularJS, Spring, GNU Make, Docker, Nginx, MIPS Assembly

Familiar: LaTeX, MySQL, D3.js, Scheme, Shell scripting,

CERTIFICATIONS AND INTERESTS

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