

# DAVID REED

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## PROFESSIONAL EXPERIENCE

- **Software Engineer at Virtyx Technologies** — Quincy, MA *January 2017–August 2017*
  - Designed, developed, tested, and deployed software for the Virtyx endpoint monitoring system using Java, AngularJS 2, Spring, PostgreSQL, Golang, Python, and Node.js.
  - Leveraged automatic testing, linting, and deployment through Jenkins.
  - Created RESTful API endpoints using Java and Spring.
  - Interfaced with 3rd-party APIs to better gather data on publicly-known IPs.
  - Developed and tested web-scraping and geolocation services.
  - Communicated with team members to best architect new systems as customer needs evolved.
  - Investigated and resolved testing issues from operating system and CPU architecture differences.
  - Created operating system-specific utility parsers for Ping, Traceroute, and DiG using regular expressions in Java.
  - Improved PostgreSQL interaction efficiency by 90% with more efficient SQL usage.
  - Developed and implemented end-to-end testing with database integration.

## EDUCATION

- **B.S. Comp. Sci. and Mathematics Candidate** *Northeastern University* — Boston, MA  
*Dean's List, 3.4 G.P.A. with Honors* *September 2015–Present*
  - *Object-Oriented Development*
  - *Web Development*
  - *Computer Systems*
  - *Algorithms*
  - *Theory of Computation*
  - *Probability and Statistics*
  - *Linear Algebra and Differential Equations*
  - *Calculus I, II, III*

## TECHNICAL SKILLS

- **Proficient:** JavaScript (Node.js and browser), Java, HTML, CSS, git
- **Familiar:** Python, PostgreSQL, shell scripting, AngularJS, Sass, Spring, Golang, GNU Make
- **Acquainted:** C, LaTeX, Docker, MySQL, D3.js, Nginx, Scheme

## CERTIFICATIONS AND HONOR SOCIETIES

- Certified First-Aid Provider
- Certified Open-Water SCUBA Diver