

# DAVID J. REED

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## EXPERIENCE

**DevOps Engineer at Drift.com** — Boston, MA

*July 2019 – Present*

- Reduced build times within our largest repositories by over 30% (18m to 13m, and 12m to 8m)
- Centralized our CI pipeline configuration to allow for automatic rollout of changes
- Maintained build and deploy tools across multiple stacks and technologies, including Django, Elixir, Java, and Node
- Managed infrastructure-as-code via Terraform
- Responded to on-call requests for infrastructure and build/deploy issues

**Software Engineer Coop at HubSpot Inc** — Cambridge, MA

*January 2019 – June 2019*

- Created and tested public API endpoints using Java 11 and JUnit
- Implemented Java automation against AWS to manage credentials
- Leveraged the OpenSSL toolchain to automate SSL certificate validity across a cloud infrastructure
- Automated cross-region replication of data store backups for disaster recovery
- Created and maintained testable Java 11 microsystems in an Agile environment

**Software Engineer Coop 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 on full-stack implementations for webpages and resources in Rails, ES5/6, and HAML
- Decreased Postgres query times, reducing page load times by 90%
- Documented and presented projects to non-technical team members
- Developed a rapid prototype for a React-based Sinatra app to visualize PostGIS data

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

*January 2017 – August 2017*

- Developed a Golang daemon with communication over HTTP, TCP, and UDP
- Designed, created, and tested a front-end data dashboard in AngularJS 2
- Developed RESTful endpoints in Java using Spring Web MVC
- Integrated geolocation and metadata gathering with the browser to map user locations
- Decreased end-to-end SQL transaction time by 50%

## EDUCATION

**B.S. Computer Science**, Minor in Mathematics

*Dean's List, 3.6 G.P.A.*

**Northeastern University** — Boston, MA

*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:** Java, Golang, C, Git, Docker

**Proficient:** SQL, Standard ML, Javascript (React, Node, ES5/6), HTML, CSS, Racket

**Familiar:** Shell Scripting, LaTeX, GNU Make, Python, Nginx, C++