

# DAVID J. REED

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## EXPERIENCE

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

*July 2019 – Present*

- Led design and development of Slack-controlled deployment systems responsible for configuring, deploying, and autoscaling hundreds of applications daily
- Reduced build times within our largest repositories by 30% through efficient dependency management, compiler optimizations, and shared workflows within CircleCI
- Instituted infrastructure-as-code practices using Terraform and Helm across hundreds of services, running on both AWS and Google Cloud in multiple regions
- Saved 20in response to real-time usage
- Built and maintained Java, Python, Javascript, and Go microservices with various frameworks, including Dropwizard, Django, Node, and FastAPI
- Handled incident response, engineering triage, and critical bug fixes related to infrastructure, build pipeline, and code deploy-related outages, alongside a common incident response rotation
- Architected the team's internal developer platform (IDP), integrating dozens of internal tools and metrics into a unified web UI and backend

**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 both engineer and application credentials
- Leveraged OpenSSL to automate SSL certificate validity across a cloud infrastructure
- Automated cross-region data replication for database backups for disaster recovery
- Created and maintained testable Java 11 microservices 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

## EDUCATION

**B.S. Computer Science**, Minor in Mathematics  
*Dean's List, 3.7 G.P.A.*

**Northeastern University** — Boston, MA  
*September 2015 – December 2019*

## TECHNICAL SKILLS

**Experienced:** Java, Golang, Git, Docker, Kubernetes, Terraform

**Proficient:** C, Python, SQL, Javascript (React, Node, ES5/6), Ruby

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