

# DAVID J. REED

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## EXPERIENCE

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

July 2019 – Present

- Headed design and development of Slack-controlled deployment systems in Java and Python, responsible for configuring, deploying, and autoscaling hundreds of applications
- Reduced build times within our largest repositories by over 30% on average through efficient dependency management, compile time reductions, 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
- Saved 20% on monthly AWS costs via Kubernetes-enabled infrastructure resizing, service autoscaling during peak and minimum load, and resizing storage clusters (Databases, Elasticsearch) in 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
- Deployed and managed the team's internal developer platform, 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, C, Git, Docker, Kubernetes, Terraform

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

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