

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
- Built and maintained CI toolchains orchestrating hundreds of daily builds and deployments to both QA and Production environments in various regions
- Architected the team's internal developer platform (IDP), integrating dozens of internal tools and metrics into a unified web UI and backend
- 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 dozens of clusters and hundreds of services, running on both AWS and Google Cloud in multiple regions
- Saved 20% on monthly AWS costs via Kubernetes-enabled infrastructure resizing and service autoscaling 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

Software Engineer Coop at HubSpot Inc — Cambridge, MA

January 2019 – June 2019

- Created and maintained Java microservices in an Agile environment
- Designed and implemented engineer and service credential automation utilizing AWS' IAM
- Leveraged OpenSSL to automate SSL certificate validity across a cloud infrastructure
- Designed and automated cross-region data replication for database backups for disaster recovery

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
- Reduced page load times by 90% through Postgres query optimizations
- Created a PostGIS visualization app using React alongside Sinatra

Software Engineer Coop at Virtyx Technologies — Quincy, MA

January 2017 – August 2017

- Developed a modular Golang daemon with communication over HTTP, TCP, and UDP
- Developed RESTful endpoints in Java using Spring Web MVC alongside an AngularJS 2 frontend
- Integrated geolocation data and browser/IP metadata 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