David J. Reed

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Experience

Senior DevOps Engineer at **Drift.com** — Boston, MA   *July 2019 – Present*

- **Led design & development of Slack-driven deployment systems** responsible for configuring, deploying, and scaling hundreds of applications daily to both the **U.S. & E.U.**
- **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 by 30%** within our largest repositories 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
- **Led incident response, triage, & critical fixes** for cloud infrastructure, CI/CD pipelines, & networking outages, in addition to acting as a DevOps subject matter expert for general incidents/outages

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   *Northeastern University* — Boston, MA
Dean's List, 3.7 G.P.A.   *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