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% on average
- Managed infrastructure-as-code using Terraform and Helm
- Saved 20% on monthly AWS costs via migrating from ECS to Kubernetes
- Built and maintained Java/Spring, Python/Django, and Go microservices
- Maintained build-and-deploy tooling targeting Django, Elixir, Java, Node, and more
- Responded to on-call requests for infrastructure and build/deploy issues via PagerDuty

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 *Northeastern University* — Boston, MA
Dean's List, 3.6 G.P.A. *September 2015 – 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, Kubernetes, Terraform

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

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