

DAVID J. REED

ddavidreed@gmail.com • www.davidjreed.net • @djreed • +1 (978) 914-0627

EXPERIENCE

Senior Software Engineer at Vector.co — Boston, MA

May 2025 – Present

- Managed **tens of millions of dollars** in ad spend for customers' campaigns.
- Set up automated data pipelines to process **hundreds of millions** of person records for analysis and reporting.
- Created and maintained pixel tracking pipelines tracking **hundreds of millions** of daily page visits for customers' webpages.
- Leveraged IAC practices to manage AWS infrastructure for data pipelines and backend services via **Terraform**.
- Built and maintained internal tooling for non-technical staff to **investigate and troubleshoot** customer issues.

Senior Site Reliability Engineer at Klaviyo.com — Boston, MA

March 2024 – May 2025

- **Supported hundreds of billions of requests** during Black Friday and Cyber Monday events, generating 3 billion in attributable revenue for customers over the event
- **Ensured 100% uptime for all services during Black Friday/Cyber Monday** through infrastructure scaling, regular organization-wide testing, and monitoring in the months leading up to the event
- **Mentored junior engineers** in best practices around Python development, infrastructure-as-code monitoring, and incident response, and on-call practices/triage
- **Maintained local engineering environment setup** and automation for 300+ engineers across our product teams, ensuring a consistent and efficient development experience
- **Built and maintained incident tooling** for on-call engineers, including a Slack bot for incident management and reporting tooling for senior leadership teams to track incident trends within the organization

Senior DevOps Engineer at Drift.com — Boston, MA

July 2019 – March 2024

- **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** micro-services 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

EDUCATION

B.S. Computer Science, Minor in Mathematics
Dean's List, 3.6 G.P.A.

Northeastern University — Boston, MA
September 2015 – December 2019

TECHNICAL SKILLS

Experienced (3+ Years): Java, Golang, Git, Docker, Kubernetes, Terraform

Proficient (2-3 Years): Shell Scripting, C, Python, SQL, Javascript (React, Node, ES5/6)

Familiar (1-2 Years): C, Ruby, LaTeX, GNU Make, Nginx