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# Christopher Becker

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## EXPERIENCE

### Staff Software Engineer I, Infrastructure — Ro (March 2023 - Present)

- Designed, built, and deployed a highly available logging pipeline for our Kubernetes workloads using Vector, DataDog, and Splunk
- Migrated Kubernetes clusters from Calico to Cilium CNI with zero downtime
- Partnered with database SRE team to implement Datadog DBM, and owned APM integrations to provide developers with insight in their application's DB performance

### Staff Engineer, Infrastructure — Density (March 2021 - March 2023)

- Owned, operated, and maintained production Nomad cluster running 1500+ containers
- Planned and executed an online migration from nginx to Traefik to allow greater flexibility in request routing and reduce the complexity of edge infrastructure
- Spearheaded observability initiative across the organization by onboarding DataDog, implementing it across infrastructure and applications, and creating training and documentation for engineers
- Reduced cloud infrastructure costs with horizontal cluster autoscaling, rightsizing host and container resources, and converting compiled applications to ARM-based EC2 instances

### Team Lead, Site Reliability Engineering — Betterment (April 2020 - March 2021)

- Owned the SRE product roadmap, prioritized projects against incoming work streams and aligned platform infrastructure features and initiatives with top-level engineering KPIs
- Overhauled incident response and postmortem processes, improving outage MTTR
- Lead cross-functional team efforts between Engineering teams (SRE, Security, Data Engineering, Broker Dealer Engineering, Banking Engineering)

### Senior Site Reliability Engineer — Betterment (January 2018 - April 2020)

- Designed, built, and deployed VPN-less SSH solution based on StrongDM
- Built automation workflow for creating Docker images used by platform and CircleCI testing infrastructure
- Built and optimized internal platform based on Kubernetes, CLI tooling in Terraform, Ruby, and Helm

### Infrastructure Engineer — Warby Parker (July 2013 - January 2018)

- Led migration to AWS from static infrastructure in Rackspace
- Automated development environment workflow with `fabric` CLI scripts
- Built automation pipelines for Vagrant boxes and AWS AMIs, using `packer` and `ansible`

## SKILLS

**Expert:** Linux (Flatcar, Ubuntu, AmazonLinux, CentOS), systemd, Networking, Docker, Bash, Make, Terraform, Kubernetes, HashiCorp Products (Nomad, Consul, Packer), Git, Github Actions, CircleCI, Postgres, ChatOps (Hipchat, Slack APIs), DataDog, Vector, AWS (`awscli` and SDKs, Lambda, EC2, RDS, S3, EKS, KMS, Secrets Manager, Route53, DynamoDB, API Gateway, SQS, SNS, IAM, MSK)

**Proficient:** Golang, Rust, Jenkinsfile (Groovy), Splunk, InfluxDB, Graphite, Grafana, StatsD

## CERTIFICATIONS

Amazon Web Services Solutions Architect Associate

Amazon Web Services SysOps Administrator Associate

## EDUCATION

Syracuse University — B.S., Information Management & Technology