

NOEL COWER

Software Engineer / Site Reliability Engineer

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Experience

KOCHAVA, Site Reliability Engineer

Sandpoint, ID

Apr 2017 - Present

- Fostered a DevOps-style culture to streamline product development and deployment.
- Developed a message sink to easily migrate services from Redis queues to Kafka with minimal code changes.
- Migrated all Postback systems to Google Cloud and implemented Postback autoscaling.
- Implemented infrastructure automation using Terraform and Atlantis.
- Automated deployments in Mesos / Marathon, Spinnaker, Google Compute Engine, and Google Kubernetes Engine.
- Created reproducible deployment and disaster recovery processes for in-house GitLab server.
- Developed tools to automate management of data under Redis, including selective replication of keys.
- Wrote Ansible playbooks to manage Zookeeper, Memcached, and other internal system configuration.
- Built our internal Debian/Ubuntu package repository's API to track versions and publish new packages.
- Responded to on-call incidents in PagerDuty and wrote internal postmortems for incidents.

KOCHAVA, Software Engineer

Sandpoint, ID

Aug 2014 - Apr 2017

- Optimized Postback systems to improve throughput and simplify network integrations.
- Implemented Postback log consumers to enable us to debug and audit Postbacks.
- Developed REST APIs for Traffic Import, Collective V1, Media Guide, and other products.
- Built impression ingestion systems to consume, verify, and store impressions in Aerospike.
- Improved Kochava's What-If replay service to reduce replay time for customers significantly.
- Converted team source control to Git, using GitLab and GitLab CI.
- Assisted with SDK development in Objective-C, Swift, C++11 (Android NDK), and Java (Android).
- Introduced and adopted the Go programming language as our development team's core language.

FREELANCE, Software Developer

Sandpoint, ID

Jul 2010 - Aug 2014

TURNING TECHNOLOGIES, Support Intern

Youngstown, OH

Jul 2010 - Aug 2014

LEADWERKS SOFTWARE, Contract Software Engineer

Las Vegas, NV

Jul 2009 - Aug 2009

Education

BACHELOR OF ARTS, English, Writing Emphasis

Boise State University

Aug 2009 - May 2013

Skills

- Go (Golang)
- Erlang
- Lua
- Kubernetes
- Docker
- Bash
- Google Cloud Platform
- Terraform
- Spinnaker
- Linux
- Mesos