Andrey Kaipov

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🖥 https://kaipov.com

Experience

Jan 2017 – Present

Site Reliability Engineer, *Ultimate Software*, Weston, FL.

Cloud Platform
- Develop and operate a centralized logging and metrics collection platform for company-wide use, currently ingesting over 3TB/day into our Elasticsearch and InfluxDB clusters across multiple datacenters.
- Develop and operate several VM and container-based orchestration platforms for developers to leverage, including a homegrown PaaS, Pivotal Cloud Foundry, and Kubernetes.
- Participate in an on-call rotation responding to any escalations from production teams or from our NOC.
- Automate toil away, track outages, conduct postmortems, troubleshoot all kinds of systems, and follow SRE best practices – the usual.

Internal Tools
- Developed an auditing tool to help interact with our event-sourced ecosystem of microservices, reducing QA and demo time of back-end features by 50%.
- Rewrote a legacy regression testing application as a suite of microservices to help teams automate and manage their test suites, saving tons of manual QA time and data entry.

May 2016 – Aug 2016

Software Engineer Intern, *Best Buy*, Richfield, MN.

User Generated Content
- Automated ingestion of an external API on processed customer review content via batch processing.
- Delivered the ingested data to other teams by republishing it internally to our own scalable API.

Projects

Active Standby
A Kubernetes controller for active-standby application support via built-in services.
- `https://github.com/andreykaipov/active-standby-controller`

Terraform Chef Solo
A Chef Solo provisioner for Terraform, inspired by the Packer one.
- `https://github.com/andreykaipov/terraform-provisioner-chef-solo`

MongoDB Pool
A package designed to make managing MongoDB connection pools easier.
- `https://npmjs.com/package/mongodb-pool`

Object Editor
A web-app to edit and play around with `.obj` geometry files.
- `https://kaipov.com/obj-editor`

Skills

Languages Shell, Go, JavaScript, TypeScript, Python, Ruby, Java.

Tooling Docker, Terraform, Packer, Ansible, Chef, Bosh, Concourse, GitLab CI.

Observability Elasticsearch, Logstash, Kibana, Telegraf, InfluxDB, Grafana, Sensu.

Platforms Kubernetes, Cloud Foundry, OpenStack, GCP, AWS.

Education

Dec 2016

BS in Mathematics, *Florida International University*, Miami, FL.
Concentration: Computer Science.
Honors: Summa Cum Laude, Phi Beta Kappa, FIU Ambassador Scholar, Florida Academic Scholar.