Andrey Kaipov

✉ andrey@kaipov.com
🖥 https://kaipov.com

▬ Experience

June 2020 – Present

Senior Site Reliability Engineer, *Ultimate Software*, Weston, FL.
Developer Experience
- Working closely with traditional Windows sysadmins and application owners to automate the heavily involved and manual configuration of our core products.

Cloud Services
- Developed a CLI and workflow system to automate the management of disk snapshots and backups for our MongoDB services to meet our audit deadlines.

Jan 2020 – June 2020

Senior Site Reliability Engineer, *Magic Leap*, Plantation, FL.
Launch Coordination
- Wrote a Redis Kubernetes operator to manage GCP Memorystore instances, allowing developers to easily request instances when using our internal PaaS for deployments.
- Performed general housekeeping across the SRE organization – upgraded Terraform AWS and GCP modules and projects to use the latest versions, upgraded Concourse pipelines, transitioned ECR and GCR images to our private Docker registry, and added reusable features to our internal tooling for our product teams.
- Evangelized the technologies of our SRE sister-squads to our product teams, while helping them transition to newer company-wide standards.

Jan 2017 – Jan 2020

Site Reliability Engineer, *Ultimate Software*, Weston, FL.
Cloud Platform & Observability
- Developed and operated a centralized logging and metrics collection platform for company-wide use to support the ingestion of over 5TB/day of logs and metrics into our Elasticsearch and InfluxDB clusters across multiple private datacenters and GCP.
- Developed and operated several VM and container-based orchestration platforms for product teams to leverage, including a homegrown PaaS, Pivotal Cloud Foundry, and Kubernetes.
- Automated toil away, tracked outages, conducted postmortems, troubleshot all kinds of systems, followed SRE best practices, participated in an on-call rotation, learned a lot – the usual.

Summer 2016

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

▬ 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://github.com/andreykaipov/mongodb-pool

env2conf

A small tool to convert environment variables into configuration files.
https://github.com/andreykaipov/env2conf

▬ Skills

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

Tooling Docker, Terraform, Packer, Vault, 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.