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## Experience

- Oct 2017 – Present **Site Reliability Engineer**, *Ultimate Software*, Weston, FL.  
*Cloud Platform – Observability*
- Develop and operate a centralized logging and metrics collection platform for company-wide use, currently ingesting over 5TB/day into our Elasticsearch and InfluxDB clusters across multiple datacenters.
  - Develop and operate several VM and container-based orchestration platforms for product teams to leverage, including a homegrown PaaS, Pivotal Cloud Foundry, and Kubernetes.
  - Partner with product teams to help developers understand our infrastructure and internal tooling, and to help productionalize their applications and processes.
  - 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.
- Jan 2017 – Oct 2017 **Software Engineer Intern**, *Ultimate Software*, Weston, FL  
*Internal Tools*
- Rewrote a legacy regression testing tool 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 the ingestion of a vendor's API on processed customer review content, republishing it internally.

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## Projects

- env2conf** A small tool to convert environment variables into configuration files.  
▫ <https://github.com/andreykaipov/env2conf>
- 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>

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## 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.

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## 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.