

Harrison Kim

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Experience

- Dec 2021 – **Site Reliability Engineer**, *1build*, Atlanta, GA.
 - Present
 - Maintained the uptime of production clusters, utilizing Prometheus and Grafana for visibility
 - Managed the deployment of services using GitHub Actions for CI and Flux for CD
 - Refined OpenSearch autocomplete searches for faster and relevant results for builders
 - Utilized Playwright to run automated tests to validate functionality after releases
- Feb 2019 – **DevOps Engineer**, *Flock Safety*, Atlanta, GA.
 - Dec 2021
 - Maintained a high throughput realtime processing system, averaging ~100 million daily images
 - Monitored the reliability of services using Prometheus and Grafana to ensure high uptime
 - Introduced Terraform and utilized it to manage resources across the organization
 - Implemented the usage of Helm charts for services deployed into our Kubernetes clusters
 - Managed frictionless CI/CD pipelines in Jenkins to yield multiple deploys a day
- May 2018 – **DevOps Engineer**, *Tin Roof Software*, Atlanta, GA.
 - Feb 2019
 - Migrated automation of infrastructure from Chef to Kubernetes on GKE
 - Automated the configuration of applications using infrastructure as code with Chef
- May 2017 – **Site Reliability Engineer**, *GE Digital*, Atlanta, GA.
 - May 2018
 - Wrote Selenium WebDriver and Sikuli scripts to monitor applications with focus on uptime
- Jan 2017 – **DevOps Engineer**, *Macy's Systems and Technology*, Atlanta, GA.
 - Apr 2017
 - Wrote Jenkinsfiles to create pipelines for executing Maven builds and run tests
- May 2016 – **IT Developer Intern**, *The Home Depot*, Atlanta, GA.
 - Jul 2016
 - Used Ruby on Rails for development of RESTful APIs in the Rental Toolbox web application
- May 2015 – **Software Development Intern**, *Partner Software*, Athens, GA.
 - Dec 2016
 - Revised Python scripts to Groovy, eliminating legacy code and improving efficiency

Certifications

- Certified Kubernetes Administrator
- AWS Certified Solutions Architect - Associate
- Basic Chef Fluency Badge

Skills

- Languages Python, TypeScript, Go, Bash, Java
- Cloud AWS, GCP, Digital Ocean
- Testing Playwright, Puppeteer, Selenium WebDriver, New Relic Synthetics
- Databases PostgreSQL, Elasticsearch, Redis, DynamoDB, Amazon Aurora
- CI/CD Kubernetes, Docker, Jenkins, Helm, Terraform, GitHub Actions, FluxCD, ArgoCD
- Monitoring Prometheus, Grafana, Loki, New Relic

Education

- 2012 – 2016 **Bachelor of Science in Computer Science**, *University of Georgia*, Athens, GA.