Devon Hakel-Kinko

contact@devon.ninja

Experience

Senior Site Reliability Expert

Lightspeed July 2021 - Present

- Designed and implemented org wide cloud cost optimization system (FinOps)
- Built "ETL" system that generates cost attribution reports (broken down by business unit, product, team, etc) for the following SaaS's: Datadog, Jfrog Artifactory, Harness, Circleci, logz.io
- Revamped our developer platform (Google Kubernetes Engine based) by building an easy-to-use Web onboarding app (like Heroku) for new Micro-services.
- Implemented org wide cost saving solutions:
  — Docker registry caching proxy to save on data transfer costs
  — right sizing and more liberal use of spot instances (GKE)

Site Reliability Expert II

Lightspeed August 2019 - Present

- Built Jenkins and Argo-cd based CD pipeline for our in house Kubernetes (GKE) Platform
- Onboarded multi-regional services with PCI compliance requirements
- Accelerated developer adoption of our GKE platform by automating creation/bootstrapping of infra (circleci, Artifactory, Jenkins pipeline, terraform (GCP resources), helm chart, vault policies, Datadog Monitors)
- Added preview environments (PR deployments) to our GKE platform
- Working with development teams spread across different continents

DevOps

Sofdesk May 2018 - August 2019

- Migrated CI/CD pipelines from Gitlab-ci to Travis-ci
- Architected a scalable distributed testing system for a team of PhD researchers
- Setup/maintenance of infrastructure for micro-services on AWS using Terraform (Elasticbeanstalk, Elasticache, RDS, lambda, ECS, Cloudwatch, SNS, SSM, KMS, etc)
- Built on demand ephemeral container based QA environments
- Maintaining and grooming of backlog
- Worked with 3rd party digital marketing firms
- One man army OPS team managing production applications on multiple cloud providers
- Setup on-call schedules for incident management response (Pagerduty)
- Planned and executed a large scale infrastructure migration (Elasticbeanstalk micro-services -> ECS)
- Designed & built a distributed lidar conversion system (capable of converting 70TiBs of data within a week)

— Built on top of AWS **ECS** using **Celery** and RabbitMQ. Highly scalable system that usually ran on around ~1000-1600vCPU cores at any given time.

Web developer

Broadsign January 2016 - May 2018

- Setup CI pipeline & automate deployments (Jenkins, Bitbucket) & maintained for over 2 years.
- Setup base framework for e2e selenium tests
- Worked on multiple web services (SOAP, REST) that involved synching data
- Also worked on frontend stack
- Solve production related performance issues with the ops team
- Use of statistical profilers to help with performance investigations
- Packaged web products into easy to install .debs
- Followed BDD testing methodology (gherkin)
- Followed agile methodology (SCRUM)
- JIRA used for sprint planning

Migration technician – 2nd biggest migration in Québec

Commission scolaire de Laval (CSDL) September 2014 - March 2015

- Migration of xp/win7 PCs (Novell) to Microsoft
- Handled IT tickets
- Migrated 81 schools and over 7000+ Windows PCs in under 7 months
- Deployment of win7 on new computers (desktops & laptops)

Education Cégèp Champlain Social sciences – St-lambert (2011 – 2013)

Personal Projects

Side projects   Cool stuff I've worked on

- Ethereum developer platform
- K8s event logger
- Twitch Ether donation platform (failed to go to market before competition)

Interests

- Writing scalable web services
- Blockains & smart contracts
- Python
- Building and implementing new operational processes
- CLI tools that offer a good UX
- Automating everything that doesn't involve writing code (ex: deployment, packaging, tests, provisioning infra, etc)

Skills & tools

- Python, Go, Javascript, SQL
- Docker

- Git
- Terraform
- AWS (Elasticbeanstalk, RDS, Elasticache, Lambda, ECS Fargate, SNS, IAM)
- Linux networking troubleshooting tools (nmap, ncat "openbsd/nmap flavor", tpcdump, wireshark, etc)
- Configuration management tools (Ansible, ebextensions "CloudFormation superset")
- Cloud architecture/automation
- GCP (Cloud SQL, GKE, Cloud Run, Cloud Functions, Cloud Storage, Pub/Sub, Stackdriver, IAM, VPC/Networking, etc)
- Kubernetes (Istio, Argocd, tekton, GKE, OPA, Kubebuilder)
- Too many SQL like DSLs to list
- CI/CD tools (Circleci, Github Actions, Travis-CI, Harness, Concourse-ci, Gitlab-CI)

Personal Qualities

- Excellent troubleshooting and debugging skills.
- Proactive worker.
- Passionate about mentoring peers.
- Prioritizing tasks based on value.
- Great at coordinating tasks between multiple development teams