

Daniel Gempesaw

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I'm a **Senior Infrastructure Engineer** with a proven track record of creating reliable, scalable, and accessible Kubernetes platforms! I've maintained & operated production Kubernetes clusters, and I've authored in-house platforms, custom CLI tools, and friendly documentation for developers to reap the benefits of Kubernetes with minimal overhead. I believe in meeting developers where they are, leading zero-downtime migrations, and shaving time off feedback loops to accelerate developers.

Experience

PagerDuty

Senior Infrastructure Engineer 2021 - Present

Kubernetes, AWS, EKS, Terraform, Python

- Led the org-wide migration to Kubernetes: 300+ microservices, 400+ developers
- Designed the canonical PD Kubernetes Microservice with custom Helm Charts & Terraform modules
- Created in-house CLI tooling for easy, least-privilege Kubernetes access
- Led workshops, trainings, and presentations to onboard 400+ developers
- Authored Terraform modules for EKS clusters following best practices
- Operated and maintained 15 EKS clusters including on-call

Senior Software Development Engineer 2019 - 2021

Nomad, Consul, AWS, Terraform, Rails, Elixir

- Rails monolith: Reduced build times from 40 minutes to 5 minutes
- Improved reliability for a legacy Tier 0 Elixir microservice by addressing noisy-neighbor flaws
- Mentored 2 interns per year, taking them from zero to shipping to production

Sharecare

Infrastructure Engineer 2017 - 2019

Senior QA Architect 2014 - 2017

QA Architect 2011 - 2014

Maestro: Internal Kubernetes Platform. Node, React, Docker, Kubernetes, CI/CD

- Created internal platform for developers to click-button deploy to Kubernetes
- Introduced CI/CD to replace manual, VM-based deploys with automated, Dockerized applications

Honeydew: Browser & Mobile automation framework. Perl, PHP, AngularJS, Webdriver & Appium

- Created in-house framework wrapping Selenium & Appium with Perl & AngularJS

Skills

Platforms & Languages: Kubernetes, AWS, Terraform, Python, Datadog, Docker, ArgoCD, Backstage, Elixir, Emacs

Hobbies: Powerlifting, rhythm instruments, rhythm games, ultimate frisbee, snowboarding

Education

Georgia Institute of Technology: MS in Mechanical Engineering 2008 - 2011

University of Delaware: BS Mechanical Engineering, BS Mathematics 2004 - 2008
