Jordan Garrison

Cloud Platform Engineer

Austin, TX

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About me

Passionate about my family, Open Source, Linux, Jiu Jitsu, and being actively involved in my local church.

I love writing software that makes complex systems easy to use. Embrace Complexity Create Simplicity.

Skills

Specialized Skills:
Developer Platforms, GitOps, Immutable systems, SLOs, Load Testing, Distributed Systems, Incident Response

Languages:
Go, TypeScript, NodeJS, Python, Bash

Platforms:
Kubernetes, Istio, Argo, SST, Fastly, Spark, Kafka, Hadoop

IaC:
Terraform, CDK, Helm, Kustomize, Ansible, Chef, Puppet

Linux:
Yes please! Especially love NixOS

CI/CD:
GitHub Actions, Jenkins, Google CloudBuild

Observability:
Prometheus, Grafana, Kibana, Datadog, APM

Education

2012-2017 **Bachelors of Science** — Texas A&M Univeristy
Major in Physics, Minor in Mathematics

Experience

2023-Now **Tech Lead Manager - DevOps/Infra** — FloSports
Player-Coach role leading the Infrastructure team at FloSports.
Cloud Consolidation Project - Effort to consolidate cloud providers from GCP to AWS and reduce costs. Migrated GKE services to EKS in partnership with the AWS MAP program. Migrated Core Monolith and surrounding services to EKS utilzing GitHub Actions, CDK, and DMS to migrate databases with no downtime.
Uptime Baseline and SLOs - Along with my teammate, we set a baseline for uptime across all platforms at FloSports. We built playbooks and educated develoeprs to build SLOs into all services.
Terraform consolidation - The team was on CDK, Terraform, and SST. Consolidated to Terraform for all infrastructure as code.
Trackwrestling Migration to EKS - Migrated Trackwrestling services from OpsWorks to EKS before EoL of AWS OpsWorks. Utilized FloSports Deployment Proxy and CloudBuild to migrate the service to new clusters with no downtime.
Sphinx to Manticore - Built and deployed Manticore search engine to replace Sphinx. Utilized Fargate, CDK, and Kubernetes for deployment.
Management and Product Ownership - Responsible for hiring, contracting, and setting the roadmap. Product owner, ensured the team is aligned with the company's goals. Responsible for code quality and architecture. Oversaw proejcts to: migrate AWS SSO to AWS IAM Identity Center with CDK, Reduce cloud costs by 25%, Migrate from Google CloudBuild to GitHub Actions, Migrate services from AWS to GCP, and implement and upgrade Karpenter for EKS autoscaling.

2021-2023 **Senior Infrastructure Engineer** — FloSports
Senior role driving infrastructure as product at FloSports.
FloSports Deployment Proxy - Deployment proxy allowing for simple deployments to our kubernetes environments.
Cluster Automation Migration - Effort to deploy infrastructure utilizing GitOps. Goal is to deploy immutable kubernetes systems in a repeatable fashion with dns cutover.

2019-2021 **Infrastructure Engineer** — FloSports
Infrastructure as product team in charge of building the cloud platform FloSports services run on.
Load Testing Platform - Distrubuted load testing platform built on kubernetes jobs. Utilizes the Grafana/K6 load testing cli tool in a distributed manner. Allows FloSports to validate readiness for large streaming events. Built with ExpressJS and Yargs
Traffic Replay - Built functionality to replay traffic captured through our istio ingress gateway using GoReplay. Built on top of the Load Testing Platform

2017-2019 **Hadoop Platform Engineer** — General Motors
Worked as a Hadoop Platform Engineer engineering 15 PB core production clusters and multiple development environments for our Business and Data Science users.
Ranger and Atlas - Lead deployment role-based access to Hadoop production environments. Tight timeline to implement Ranger and Atlas services. The project allowed easier on-boarding and off-boarding of groups into Hadoop.
Automated Yarn Queue Scheduler - Developed Golang tool to allow for automated switching of the Yarn Queues for day and night workloads.
Hadoop Monitoring System - Python framework for monitoring cluster metrics. Integrated into Prometheus and an Oracle database to allow for frontend visualizations to be created using Grafana and a custom PHP dashboard.

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More Skills

Management:
Hiring, Contracting, Roadmapping, 1:1s, Performance Reviews, OKRs

Project Management:
Agile, Scrum, Kanban, Jira, Confluence, PI Planning, Standups, Retrospectives, Scrum Master

Databases
MySQL, Postgres, DynamoDB, BigQuery, HBase, Hive, InfluxDB

Caches
Redis, Memcached, Varnish (Fastly)

Indexes:
Elasticsearch, Solr, Manticore, OpenSearch

Awards & Promotions

2023	Promotion to Tech Lead	FloSports
2021	Top Performer - Own It	FloSports
2021	Promotion to Senior Infrastructure Engineer	FloSports
2019	CEO - Life Saving Award | CIO - Safety Award	General Motors
2019	Early Promotion out of New College Hire Program	General Motors
2018,2019	CIO Distinguished New College Hire	General Motors

Certifications

April 2024 **Advanced GitOps Certification** Credential ID: 101100053
GitOps certification for using the Akuity platform manage Kubernetes.

Other Experience

2014 **Data Analyst** Texas A&M Department of Physics and Astronomy
Research role in the Texas A&M Department of Physics and Astronomy and introduction to distributed computing. Worked as a data analyst running simulations of the Higg's Boson particle. Programmed in C++ and Bash to run proton collision simulations.

2016-2017 **Research Technician and Python Developer** Lynntech Inc.
Developed physical prototypes using Python and the Arduino programming language.
Iodine Detector - Small regulatory device which detected iodine absorbance in cartridges. Meant to prevent hyper-thyroidism outbreaks due to water mismanagement. The project involved circuit design, Python programming, Qt GUI design, and extensive testing of device consistency.
Salination Level Detection - Demo purifying sea water to drinkable water. Integrated the pH and saline sensors with an Arduino board to validate safe drinking levels.