

About me

- Nearly 15 years of experience working up and down the web stack, from operations to front end
- Operated a petabyte scale big data infrastructure on AWS EC2 (Cassandra, Kafka, Spark via EMR)
- Big fan of Kubernetes, Gitops, immutable infrastructure, and 12 Factor Apps
- Developed CI and CD pipelines to empower teams to ship better software, faster
- Administered Kubernetes clusters on EKS, GKE, and vSphere (CentOS & CoreOS)
- Serial Entrepreneur. I've done SaaS, PaaS, a physical product, and run a restaurant.

Experience

STAFF SWE OFFICE OF THE CTO @ CLOAKED INC – AUGUST 2023-PRESENT

- Created a program to ingest ideas from all over the company reflecting the status back to everyone.
- Worked with executives, product management, and marketing to turn shower thoughts into marketable ideas.
- Documented the function of all people and ceremonies within the ideation process to hand off the role of researcher to another engineer.

STAFF PLATFORM ENGINEER @ CLOAKED INC – SEPTEMBER 2022-AUGUST 2023

- Migrated all the software stacks from various PaaS providers to AWS EKS
- Used Cloudflare to mask third party usage and give us a layer of control if a provider goes down.
- Migrated a single shared AWS account to a spoke and wheel model meeting compliance obligations for SOC2 1 and 2, ISO 27001 and 27701.
- Established patterns for deploying applications in the Kubernetes cluster as well as to the edge network allowing teams to release new software and maintain compliance.

OWNER / CO-GM @ THE ONWARD STORE STEAKHOUSE – OCTOBER 2021-JANUARY 2024

- Managed physical infrastructure including the building, grounds, utilities, network, a/v
- Handled Hiring, Firing, HR, Taxes and Legal responsibilities
- Worked vendors to keep selection fresh and food margins within tolerance
- Developed processes and trained staff to serve more fresh never frozen food

STAFF SWE IN DEVELOPER EXPERIENCE @ INCEPTION HEALTH – JUNE 2020-JUNE 2022

- Built AWS infrastructure and CDK packages to maintain HIPAA Compliance obligations while allowing teams to deliver software on their own schedule.
- Trained product teams to work in a serverless environment and maintain grpc contracts despite limitations of AWS infrastructure.

SENIOR PLATFORM ENGINEER @ CYBERGRX – DECEMBER 2018-JUNE 2020

- Led vision on the cloud native CI / CD pipelines for AWS and Kubernetes
- Developed a custom resource using the CoreOS operator SDK for orchestrating blue/green deploys of a “distributed monolith”
- Mentored software engineers in best practices for building and deploying software

SENIOR CLOUD PLATFORM ENGINEER @ CARDFREE – JANUARY 2018-DECEMBER 2018

- Managed a large scale PCI compliant C# installation in AWS
- Established best practices for reliably building software and managing incident response

SENIOR DEVOPS ENGINEER @ PROTECTWISE, INC – AUGUST 2016-JANUARY 2018

- SRE for a massive scale data ingestion platform. Thousands of Cassandra nodes, Petabytes in s3. \$10M+/yr production AWS environment managed with IaC.

DEVOPS ENGINEER @ FOOD SERVICE WAREHOUSE – JUNE 2015-MARCH 2016

- Using CoreOS, fleet, etcd, flannel and some Jenkins built Kubernetes clusters on vSphere

SOFTWARE DEVELOPER @ MISSISSIPPI STATE UNIVERSITY – JUNE 2010 - JUNE 2014

- Created grant proposals to fund the custom software the university needed to support research initiatives such as tracking “human sensors” through natural disasters including Hurricane Sandy.

Skills

Programming Languages: Javascript, Python, Bash, Go, Ruby

Databases: Neo4j, postgresql, Timestream, MongoDB, Redis, Etcd, Zookeeper, Cassandra, DynamoDB

Distributed Systems Glue: Argo Workflows, Kafka, RabbitMQ, AWS IoT

Automation: Argo CD, Packer, Terraform, Vagrant, Linux, Chef, Gitlab CI, Jenkins, Github Actions

Orchestration: Kubernetes, Fleet, Docker

Monitoring: Prometheus, CloudWatch, Sensu, Pagerduty, Logstash, Kibana, Grafana, Graphite

Learn more at <https://jakegaylor.com> or <https://github.com/jhgaylor>