

About me

- Over 10 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, and a physical product.

About you

- You embrace Kubernetes and have (or plan to have) deployed your production workload on Kubernetes.
- You want to build and deploy your applications continuously using CI and CD pipelines.
- You are looking for a go getter ready to help the business derive value from all the technical mumbo jumbo.
- You have a path for growth in your company and are looking for future leaders.
- Bonus: You are willing to take a swing on a young leader with a strong track record as an IC.

Experience

SENIOR PLATFORM ENGINEER @ CYBERGRX – DECEMBER 2018-PRESENT

- 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
- Established best practices for reliably building software
- Worked with team to establish on call rotations for product engineers.

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.
- Reduced interrupt driven workload by increasing automation around cluster creation and application delivery.
- Managed “datacenter on the cloud” with tons of terraform, chef and packer.

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

- Evangelized 12 Factor apps to facilitate a move to a more manageable infrastructure.
- Established the automation to support our move from a C# monolith to Node.js microservices.
- Using CoreOS, fleet, etcd, flannel and some Jenkins built Kubernetes clusters on vSphere

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

- Built custom software solutions to support research initiatives such as tracking “human sensors” through Hurricane Sandy.
- Helped create grant proposals to fund the creation of software the research center thought could be valuable
- Created custom time tracking software for a telephone survey laboratory.

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, Uchiwa, Logstash, Kibana, Grafana, Graphite

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