

EXPERIENCE

 **Armis Security** AWS (GovCloud) Kubernetes (EKS) Kafka/Confluent Postgres September 2022 - Present

Senior Software Engineer · Responsible for FedRAMP High and IL5 compute infrastructure for Armis Federal

- Leveraged **Karpenter** and **ARM instances** to cut EKS compute costs **24%** (**\$400k/month** → **\$300k/month**). Re-architected the EKS upgrade and Packer AMI pipeline to raise uptime from **99%** to **99.99%** and eliminated the monthly maintenance window
- Achieved **FedRAMP High** authorization in **6 months** by designing a secure SDLC for hundreds of **Python** microservices, platform services (**Istio, Teleport**), and security tooling (**Nessus, Elastic Defend**), with **Terraform** supply-chain controls via **Trivy, Cosign**, and **OCI artifacts**
- Accountable for upgrades and maintenance of a rapidly growing AWS GovCloud EKS fleet spanning **27k vCPUs / 14 TB RAM (300+ nodes / 12k+ pods)**, including Kubernetes upgrades **v1.20 -> v1.35** and maintaining forked Helm charts, worker AMIs, and Terraform modules

 **ThirdSpace** Elixir Phoenix LiveView Svelte TailwindCSS August 2025 - Present

Part-Time Vibecoder · "If you want to go fast, go alone. If you want to go far, go together"

- Built a web app for **The Standard**, a men's community focused on holistic excellence. Launched thestandard.men in December 2025 and currently support **187 monthly active members** in tracking, visualizing, and comparing progress toward their personal and professional goals.

 **Capital One** Nginx OpenResty Lua AWS: Lambda, ECS, Cloudwatch September 2021 - 2022

Lead Software Engineer, DevOps · Lead engineer on the API Gateway team responsible for billions of requests a day

- Solved a problem where **Redis** had too many connections (**10,000+**) after autoscaling events. Implemented a **Redis pubsub** and **Lambda function** to keep track of the number of workers in our **ECS cluster** and consequently update the local **sliding window rate limit** for each pod
- Migrated the monolithic API gateway platform responsible for **billions of requests a day** with a peak of **200+ req/sec** into plugin-based microservices using the **OpenResty** framework (**nginx + Lua**)

PAST EXPERIENCE

 **Soliel** Secret Clearance AWS: ECS / ECR / CFN / CDK / Lambda / Config Gitlab Docker February 2020 - 2021

DevSecOps Engineer · Led cloud and container modernization for NBIS (National Background Investigation System)

- Wrote infrastructure as code (**CloudFormation/CDK**) to provision **ECS clusters, Config rules** and **Lambda functions**. Automated CloudWatch agent configurations using **SSM** and **Ansible**. Utilized **CloudFormation init** for instance registration with SSM
- Developed and maintained **Gitlab CI/CD pipelines** for development teams (**NPM, GO**). Configured **Artifactory** as a dependency proxy to run builds in an **air-gapped environment**. Implemented container image scanning solutions like **XRay, Trivy, and Twistlock**

 **ORock Technologies** Openstack Ansible Nessus RHEL March 2019 - 2020

Solutions Architect · Pioneered FedRAMP authorization as a service POC for ETranservices

- Led **SmartSimple/ETranservices** through **FedRAMP Moderate** authorization within **6 months** from **OpenStack** deployment, application configuration and **3PAO assessment**. Hardened artifacts and automated application deployments using **Ansible**.

 **Cloudistics** Jenkins Foreman Ansible Vagrant Docker Redis Grafana October 2017 - 2019

Software Engineer, SDET · Contributed to hyper-converged infrastructure platform similar to Nutanix

- Implemented a release verification system on **Jenkins** which auto-ran up to **15,000+ tests** on commit and notified developers of failures. Decreased backend test run time by **95%** from approximately **3-4 days** to **3-6 hours** by provisioning **50+ new QA servers** with **Foreman** and configured them using **Ansible**. Installed **Telegraf, InfluxDB** and **Grafana** to troubleshoot performance, utilization and outages.

 **Fanuble** AWS EC2 MySQL Redis Ruby Rails 5 December 2014 - 2017

Founder · Created a community platform similar to Skool, Circle or Discord

- Helped Twitch streamers and YouTube creators increase retention and engagement with their own community hub

EDUCATION

Stony Brook University
B.S. Computer Science · 2017

COMMUNITY

[The Standard](https://thestandard.men)
Tech Office Hours

ACHIEVEMENTS

Retired Boy Scout
Eagle Scout · Gold Palms

SKILLS

Languages Elixir, Python, Typescript, Golang
Infra Terragrunt, OpenTofu, Helm, Docker
Tools Claude Code, Cursor, Three.js