

Motivated 25+year software engineer with a wide breadth of experience. An affable and skilled communicator, able to work with a team of professionals in an agile environment. Creative, resourceful and flexible, able to adapt to changing priorities and maintain a positive attitude and strong work ethic.

Crusoe Energy FTE, Staff Site Reliability Engineer

Aug 21 – current, Staff Site Reliability Engineer

- First SRE, grew and lead the team to 6 members, from 1 mobile data center to 5.
- All things building a cloud: PXE, MaaS, Ansible, rocky linux, libvirt, tailscale, nginx/pomerium, Kubernetes, grpc.
- Created and maintained services starting underground up into the cloud.

Adobe FTE, Staff Site Reliability Engineer

Jan 2021 – Aug 21, Staff Site Reliability Engineer

- GCP migration and alignment, Lead engineer managed SLDC across multiple projects.
- AWS re-architect Sales Connect

March 2019 – Jan 2021, Sr. Site Reliability Engineer

- Ongoing migration to containerized and or cloud native deployments
- Monitoring, logging, and continuous improvement within Marketo's existing DCs on bare metal k8s cluster
- Management of 6k hosts via puppet, pdsh, and ansible
- Unified authentication with sssd, pam.d and corporate ldap

ebay FTE, Site Reliability Engineer

November 2018 – March 2019 [remote] Core Products Site Reliability Engineer

- Worked in the NOC/SEC covering eBay's 300B events/day on over 6k different services

July 2017 – November 2018 [remote] New Product Division, Infrastructure Tribe

- Expanded mobile market into China
 - Auth with core products, token cache service written in scala/play, python/flask
- IaC using terraform.io, Google Cloud Platform, chat bot integration. drone.io for CI/CD
- Multi region monitoring, redundancy, cost reduction analysis in GCP/GKE
- Log aggregation in k8s with daemonset deployment and code contribution to sumologic
- Security auditing in GKE using fluentd, stackdriver, added centralized nexus repo and CD
- Secret management, hashicorp vault implementation, fraud detection/browser fingerprinting

AppThis FTE, Full Stack Dev / SRE

Jan 2017 – July 2017

- AWS engineer: cost reduction AWS, reduced under utilization. Near 1B events/day
- Automation with salt stack.
- Custom HAproxy scaling, request processing SLA < 100ms
- Log shipping migration to streams
- PHP + hiphop, PHP7, Java, Scala (Play)

Century Link Contract, Full Stack Java Developer

November 2016 – Jan 2017

- VeuxDu team member working on e911 and SpeakEasy projects.
- Java 1.8 + Springboot micro service migration and development

Starz Entertainment FTE*, Sr. Cloud Engineer

June 2016 – November 2016

- Maintained tooling in AWS and local platforms such as Terraform, Consul, Nomad, Packer, Docker, Bamboo, and Ansible.
- Tasked with building a PaaS agnostic dashboard for allowing a wider spread of users to create redirects on starz.com. Dashboard built on meteor/node with an Angular2 frontend that manages a cluster of nginx servers.

Think Tank FTE, Senior Developer

2015 – June 2016

- Full-Stack Java developer supporting and maintaining existing hosted and installed SaaS collaboration product
- In memory database employed for contribution-based transaction shipping and long polling
- Lead on breaking product from monolith to hosted micro services
- Wide spread of technologies employed: Spring Security, bootstrap, SAML2, Jetty, Install4J, Comet, Angular, GWT, .NET-interOp, Redis, ActiveMQ, DataDog

Rocket Science Innovation, L.L.C. Founder / Contract Developer

2006 – 2019 [remote/onsite]

- Founder of a technology development corporation.
- 13-year ongoing contract with Open Range Access.com in oil field and data telemetry
- Object Oriented Software Development with PHP, Java, Perl, JavaScript, Python
- DevOps Role of VPC setup and migration from onprem to cloud
- Hardware design, PCB, and microcontroller programming, Satellite/RF/Cellular Communications
- Real time telemetry logging and ETL to production accounting software

Xilinx FTE, System Developer

2009 – 2015

- Developed a training management system to keep track of multiple aspects of the training credit system
- Aggregated data from multiple sources for display to the sales force in a dashboard
- Internationalized online schedules, course list/description management and data collection
- Automated publish with Adobe CQ5

Codeffects.com, L.L.C. Co-Founder

2001 – 2006

- Development (Perl, Java, C/C++, JavaScript, AJAX, CSS, XSLT, RSS, SH, SEO)
- Compatibility first webpage design and migration
- DevOps site and domain hosting and co-lo setup, linux administration

University of Colorado Web Communications FTE, Lead Developer

1999 – 2006

- Perl, and Java applications for various departments: PLUS and PLUS-Planner, HA and ETL, custom generative search

TECHNICAL SKILLS

OS/Container:	Linux/Unix: Rocky, Debian, Kubernetes, Docker, Swarm, Podman
Cloud Providers:	Crusoe, GCP, AWS, Azure, Digital Ocean
Testing Tools:	Headless Chrome, Selenium, gatling.io, JMeter, QUnit, TDD
Build Tools:	Gitlab CI, Drone, Jenkins, SBT, Ant, Maven, Gradle, Nexus/Artifactory
Source Control:	Git, svn, ChatOps: hubot, yetibot, atlantis
Programming:	Python, Perl, Java, Javascript, golang, C/C++/#, scala .Net, MVC, PHP, Ruby, embedded-VB, CSS, bash/zsh
Deployment:	Argo, AWX, Helm, MaaS, Docker, Install4J, Ansible, Salt, Puppet, Packer, terraform, terragrunt
Frameworks:	Flask, Play, Spring, Sencha, jQuery, D3.js, Highcharts, Hibernate, MyBatis,
Servers:	Nginx, Apache, Caddy, Jetty, Tomcat, Node, Comet, IIS
Databases:	PostgreSQL, MySQL, Mongo, Cassandra, Elasticsearch, BigQuery, Big Table, Spanner, Redshift, RDS, PL/SQL, MSSQL, Flyway migration
ETL/BI:	R-Project, TalenD, Spark, POSIX RegEx
Other:	Tailscale, Hashicorp Vault, Opsgenie IAM, Hadoop, qemu, VirtualBox, VMWare, Parallels

EDUCATION

University of Colorado at Boulder

Aug 1999 – May 2004

Bachelor of Computer Science

June 2005 – December 2005 *incomplete*
BS in Mechanical Engineering

General Assembly

Oct – Dec 2019

Data Science in Python

Regis University Denver

Aug 2020 – March 2023. 4.0 GPA

Master of Data Engineering

Professional Development

Project Management Professional Certification PMI.org

- Coursera
 - Computing for Data Analysis
 - Data Analysis and Statistical Inference
 - Programming Mobile Applications for Android
- Udemy
 - Leadership Masterclass
 - 80/20 Product Ownership
- Certified Scrum-master
 - scrumalliance.org

AHS Advisory Board of Engineering and Computer Science