

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.

AppOmni FTE, Lead Site Reliability Engineer

Nov 23 – current

- Led growth of SRE team from single member (self) to a cohesive unit of 5 professionals enhancing operational resilience and efficiency.
- Managed and scaled the Security Posture Management (SSPM) and Security Event and Incident Management (SEIM) systems, ensuring robust infrastructure to support organizational security and compliance needs.
- Successfully navigated compliance with FedRAMP and SOC2 standards, ensuring adherence to rigorous regulatory requirements and bolstering trust with stakeholders.
- Improved architecture by alleviating oversubscribed stacks, enhancing customer experience, and reducing cloud spending.

Crusoe Energy FTE, Staff Site Reliability Engineer

Aug 21 – current, Staff Site Reliability Engineer

- Ground-to-cloud management of GPU cloud offering
- 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.

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 underutilization. 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 microservice migration

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

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

2001 – 2006

University of Colorado Web Communications FTE, Lead Developer

1999 – 2006

TECHNICAL SKILLS

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| OS/Container: | Linux/Unix: Rocky, Debian, Kubernetes, Docker, Swarm, Podman |
| Cloud Providers: | Crusoe, GCP, AWS, Azure, Digital Ocean |
| Testing Tools: | Cypress, 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, Fluxcd, AWX, Helm, MaaS, Docker, Install4J, Ansible, Salt, Puppet, Packer, terraform, terragrunt |
| Frameworks: | Flask, Django, Play, Spring, Sencha, jQuery, D3.js, Highcharts, Hibernate, MyBatis, CQ5 |
| 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