

EDUCATION

BS, Computer Network Operations and Security, Western Governors University, TX, 2020

DRUPAL MEMBERSHIPS | OPEN SOURCE

Drupal: [davidasumner](#) | on Drupal.org since 2020

GitHub: [dasumner](#) | on GitHub.com since 2016

CERTIFICATIONS | REGISTRATIONS

CompTIA Linux+, CompTIA, 2018

CompTIA Network+, CompTIA, 2019

CompTIA Security+, CompTIA, 2020

CompTIA Project+, CompTIA, 2017

CompTIA A+, CompTIA, 2017

Certified Chef Developer, Chef, 2019

Certified SAFe Practitioner, ScaledAgile, 2019

KEY QUALIFICATIONS

- Over 20 years of programming experience as an Oracle PL/SQL Developer
- Strong experience in migrating legacy on-premise systems to public cloud environments running on AWS and Oracle Cloud services
- Designs, implements, and manages cutting-edge deployment automation of cloud resources
- Develops custom code
- Expertise in automation monitoring and remediation using Ruby, Python and Shell scripts with focus on DevOps tools

EXPERIENCE

DevSecOps Engineer; Multiple Projects; CivicActions, Inc., Lafayette, CA; 01/13/2020 to Present.

Serve as the lead DevOps engineer for the WECMS project. Work with client engineers to assess infrastructure requirements. Work with developers and engineers to develop Jenkins CI/CD pipelines to perform unit testing and deliver code to Acquia-hosted environments. Build Docker containers to be used by developers for code creation.

Provide DevOps support to the Open Data team. Build CI/CD pipelines in Jenkins and CircleCI to perform maintenance tasks for Drupal sites. Migrate support code from legacy systems to newest CI/CD environments.

Provide DevOps support for USDA AgDataCommons project. Created plan to migrate existing on premise infrastructure to Azure Cloud. Develop Terraform code to provision and configure Docker containers, storage and network resources. Design Jenkins pipelines to perform daily maintenance tasks and build QA environments for release-candidate code.

Cloud DevSecOps Architect; Multiple Projects; Oracle Corporation, Houston, TX; 02/02/1998 to 01/08/2020. Used Agile and Test Driven Development (TDD) methodologies to develop Chef cookbooks for the rapid deployment and management of infrastructure and applications. Designed and administered DevOps automation solutions for systems hosted in Oracle Cloud. This includes evaluating systems deployed on on-premise, private and public cloud platforms (AWS, Azure, Google Cloud) and migrating them to equivalent Oracle PaaS, IaaS, DBaaS and SaaS offerings. Blueprint and deploy infrastructure in a coded manner (infrastructure as code) using Chef, Ansible, Terraform, CloudFormation, Jenkins and Git for configuration management of virtual environments. Migrated legacy applications into containers managed with Docker and Kubernetes. Developed applications that feed system logging and application metric data into Elasticsearch to generate summaries and predictions for capacity utilization. Investigated and responded to security events and potential incidents in accordance with prescribed procedures. Continually examined and improved existing processes to identify security vulnerabilities. Integrated migrated applications into corporate Single Sign

On and Privileged Access Management. Built and deployed tools to monitor and report licensing and security compliance. Built tools for continuous integration and delivery of patches and vulnerability remediation. Developed Splunk queries and dashboards targeted at understanding application performance and capacity analysis. Developed remediation tools to rectify issues identified by risk management teams and independent auditors. Worked with networking and security specialists to devise fixes that continuously update the infrastructure to maintain alignment with best practices and secure coding standards. Managed system privileges by maintaining seclists, firewall rules and identity management components. Developed tools and code to perform data mining of logs generated from thousands of client systems to detect acceptable use violations. Performed incident triage and handling by determining scope, urgency and potential impact thereafter identifying the specific vulnerability and recommending actions for proper remediation. Coordinated restoration of services during major incident events. Work with end users and other SMEs to perform root cause analyses. Previously served as a Linux system administrator and an Oracle database administrator.

Independent Database Consultant; Multiple Projects; Harris County Department of Education (HCDE), Houston, TX; 11/01/2010 to 06/01/2019. Built AWS RDS-based applications to manage operations and monitor performance for multiple divisions serving thousands of students annually. Provided data migration services to merge student data on legacy systems into new systems. Developed systems for data archival in compliance with data retention requirements specified by Sarbanes-Oxley, PII, HIPAA and other relevant legal regulations.

TECHNICAL EXPERTISE

- Agile Methodologies
- Apache Tomcat
- Block/Object Storage
- CloudFormation
- DHCP
- Elastic Cache
- GitHub
- HIPAA
- IAM
- Jenkins
- MySQL
- Oracle Cloud Infrastructure
- PII
- RDS
- SaaS
- SSH
- Terraform
- VPN
- 508 Compliance
- AWS
- CircleCI
- Compute
- DNS
- Elasticsearch
- GitLab
- HTML
- IIS Server
- Kubernetes
- NGINX
- Oracle PL/SQL
- PL/SQL
- REST
- Sarbanes-Oxley
- Subversion
- Ubuntu
- Windows
- Amazon ECS
- Azure
- CI/CD
- CSS
- Docker
- FTP
- Glassfish
- HTTP
- Inspec
- LBaaS
- NTP
- Oracle WebLogic
- PowerShell
- Ruby
- Shell
- TCP/IP
- UDP
- XML
- Ansible
- BASH
- Chef
- DBaaS
- EC2
- Git
- Google Cloud
- IaaS
- JavaScript
- Linux
- Oracle 8i-18c
- Perl
- Python
- S3
- SQL Server 2008/2012
- Telnet
- Vagrant