

**EXPERIENCE***Site Reliability Engineer*

October 2021 - Present

Slickdeals, Platforms Team - Las Vegas, NV (Remote)

- Managed and deployed both on-prem and cloud infrastructure utilizing IaC platforms such as Chef and Terraform.
  - Created and managed Chef cookbooks for deploying and unit testing services to on-prem nodes as well as for AMI creation for EC2 instances.
  - Created and managed Terraform code to deploy infrastructure such as EKS clusters and various AWS services such as S3, IAM, Route53, and Security Groups
- Managing technology lifecycle from SPIKE, to POC, to implementation and deployment.
  - Researched, deployed, and owned EKS cluster for production and development workloads.
  - Enabling EKS technologies to optimize workloads in the cloud (auto scalers, PVCs, certificate management).
  - Captured EKS logs and monitoring statistics by leveraging Amazon Cloudwatch and Prometheus.
  - Installed Kubernetes metrics server allowing workloads to leverage horizontal pod autoscaling.
- Member of Cloud Migration Team focusing on architecting, deploying, and managing cloud solutions to replace on-prem technologies.
  - Owning database migration project to migrate MySQL5.6 to MySQL8 in preparation for RDS deployment.
  - Manage relationship with 3rd party database vendor Percona and acted as primary point of contact.

*CAD Engineer*

July 2018 - October 2021

Synopsys, Solutions Group - Hillsboro OR

- Streamlined IP release process by creating automated repository sync and management tool.
  - Leveraged technologies such as Javascript/jQuery, Python, and Git.
- Designed and manage VM infrastructure (assigning resources, load balancing, VM deployments) used for hosting automations, service hosts, and custom VMs.
- Develop and maintain automation infrastructure and compute hosts.
  - Debugging of Linux hosts, investigating new technologies, and deploying services and automations.
- Liaison and “fixer” for engineering and IT communications and joint projects.

*Linux Systems Engineer*

June 2015 - July 2018

Synopsys, Information Technology and Engineering Support - Hillsboro OR

- Worked closely with several international teams during acquisitions for integration of their compute environment to ensure a smooth bring up.
- Managed local datacenter including network/storage appliances. Responsibilities included the entire lifecycle of servers: purchase, physical installation, provision/management, removal and retirement.
- Participation in 24/7 on-call as well as disaster recovery operations.
- Work with engineering teams for development of joint automations, services, and tools.
- Project lead for site networking upgrade including datacenter backbones, floor networks, and wireless networks.
- Daily responsibilities include monitoring datacenter health, Linux host triage/debug, deployment/scaling of IT services, automations, and tools.

**TECHNICAL SKILLS**

- Programming: Python, BASH, C/Cpp, Perl, Ruby, TCL, Assembly, AVR, MATLAB, L<sup>A</sup>T<sub>E</sub>X, SQL
- DevOps/SRE: AWS, Kubernetes/EKS, Docker/Compose, Terraform, SGE, LSF, Helm, Rancher, Elasticsearch, Grafana, Prometheus, Nagios, Chef, Jenkins, Ansible, Jira, Git, Perforce, Linux, K9s
- Front-End: JavaScript, jQuery, HTML, CSS, Flask, PHP, Sharepoint

**EDUCATION***Oregon State University, Corvallis, OR*

Class of 2015

Bachelor of Science in Electrical and Computer Engineering - Analog Design