

ALAN Y. HUANG

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EXPERIENCE

Site Reliability Engineer

October 2021 - Present

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

- Manage and deploy on-prem and cloud infrastructure by leveraging infrastructure-as-code platforms.
 - Manage/develop chef cookbooks for deploying on-prem infrastructure.
 - Create Terraform to manage and deploy cloud infrastructure on AWS (EKS, S3, IAM, etc. . .).
 - Monitor nodes with Nagios, Cacti, and visualize data with Grafana.
- Accelerating engineering teams by directing technology stack.
 - Owner/maintainer of EKS project intended to replace on-prem infrastructure.
 - Implemented Consul ACLs and codified into Chef cookbooks.
 - Migrated Nexus from local VM to EKS container.
- Own project lifecycle from managing stakeholders, research, resource management, execution, follow up.
 - Project owner for MySQL5.6 to MySQL8.0 migration to stage databases for RDS migration.
 - Manage relationship with Percona DBA vendor, primary point of contact.
- Mentoring engineers by providing feedback and guidance for complex projects.
- Supporting engineering teams, triaging issues, and participating in 24/7 on-call rotation.

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 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

- Working with international teams during acquisitions for integrations onboarding.
- Managed local datacenter including network/storage appliances.
 - Managed lifecycle of hardware: purchase, 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.
- Monitoring datacenter health, Linux host triage, deployment/scaling of services, automation and tools creation.

TECHNICAL SKILLS

- Programming: Python, BASH, C/Cpp, Perl, Ruby, TCL, Assembly, AVR, MATLAB, L^AT_EX, SQL
- DevOps: Docker/Compose, SGE, LSF, Elasticsearch, Grafana, Nagios, Chef, Jenkins, Ansible, Jira, Perforce
- Cloud: AWS, Kubernetes/EKS, Terraform, K9s, Rancher, Helm, Git
- 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