

KEVIN S. CHOI

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WORK EXPERIENCE

Senior DevOps Engineer | Prosper Marketplace

Sept 2019 - Present

- Ensure reliability and availability is at the forefront of every task or incident; including optimal scaling in the CI/CD process.
- Lead the AppSec implementation in our CI/CD pipeline using Fortify scans by Micro Focus.
- Contribute to development experience tools using python and bash scripting used by both DevOps and Development teams.
- Update Prosper DevOps CLI tools using Python, that manages all deployments and CI/CD functions using helm validations.
- Migrate multiple kubernetes clusters that host 3,000+ Prosper microservices to hybrid Rancher clusters on-prem and on GKE.
- Assist Developers on migrating Spring Boot v1.0 to v2.0 and implementing New relic metrics into our observability stack.
- Promote new tools like helmfile and terraform to the engineering team to fully automate new environment deployments.
- Automate tasks using Jenkins, Rundeck, and Airflow to reduce human error and minimize tedious human involvement.
- Influence Developers on best practices and the most efficient way to get the most out of our CI/CD pipeline.
- Establish a company wide linux patching process using ansible and python scripting.
- Develop custom scripts that are reviewed and uploaded onto the organization's git repository followed by runbooks.
- Maintain Rancher+GKE hybrid environment and renew certificates through Digicert when alerted.
- Update Rancher platform to latest kubernetes version followed by worker node upgrades (Ubuntu).
- Redirect logs to aggregator and monitor cluster health with the assistance of Splunk, CheckMK, DataDog, and New Relic.
- Receive an All Tech Award 2020 for Integrity for participating in multiple daylight savings responsibilities.

Senior Site Reliability Engineer | First Republic Bank

Aug 2018 – Jan 2019

- Proactively monitored, maintained, troubleshooted, repaired and upgraded servers, network infrastructure, software services, power distribution and environmental systems for internal network as well as monitoring of connectivity to vendors, partners and subsidiaries.
- Coordinated with Information Security Network Engineers to assign proper VLAN and subnets for newly built virtual servers to be placed in proper security groups in both production and non-production environments.
- Provided joint technical experiences to troubleshoot individual branch outages that are related to system or network high availability infrastructure.
- Developed, configured, monitored, troubleshooted and maintained complex enterprise-wide file transfers.
- Monitored and managed automated tasks such as system backups and scheduled tasks via Rundeck or Control-M.

Senior Information Services Advisor | Halcyon Financial Technology

Apr 2016 - Aug 2018

- Architected, project managed, implemented, and maintained small-to-medium sized environments delivering engineering solutions utilizing a hybrid or full cloud architecture.

Director of IT & Operations | FixSwift

Dec 2013 - Apr 2016

- Doubled company revenue from 2014 to 2015 by initiating new product lines. Provided technical guidance, professional development, and career progression to 12 employees.

Senior System Administrator | Cisco Systems Inc

Sept 2010 - Oct 2012

- Responsible for system reliability on 60+ department servers (Cisco UCS Server, Cisco MCS-7800, HP Proliant Server, HP Storageworks SAN).

TECHNICAL SKILLS

Cloud Platforms: GCP, AWS, Azure, CenturyLink

Full-Stack: Python, Bash, HTML, CSS, JavaScript, jQuery, Bootstrap, Express.js, React.js, Node.js, MongoDB, MySQL

Networking Stack: Cloudflare, F5, Nginx, Cisco, Meraki, Fortigate, Palo Alto Networks, SonicaWALL

Observability: New Relic, Grafana, Prometheus, DataDog, Splunk, CheckMK, Solarwinds, Zabbix, Nagios

Microservices: Docker, Kubernetes, Rancher, GKE

CI/CD Tools: Jenkins, Github Actions, Cloud Build, GitLabs

Config Management: Ansible, Terraform, Helm

Operating Systems: Linux, macOS, Windows

Applications & Platforms: VMWare, Hyper-V, TrueNAS, Cisco ISE, Qualys, ADAudit+, SeeBurger, Jscape, Control-M, Rundeck, Airflow, JFrog Artifactory, Memcached, Jenkins, Hashicorp Vault

COURSE ACHIEVEMENTS

Essential Google Cloud Infrastructure: Core Services

Google Cloud Fundamentals: Core Infrastructure

Essential Google Cloud Infrastructure: Foundation

CERTIFICATIONS

UCBerkeley Coding Bootcamp 2019

AWS Certified Cloud Practitioner: **W6Y2NVJCBEV11JK3**

Splunk Fundamentals

Cisco Meraki Networking Associate

Palo Alto Networks Accredited Expert

Datto Certified Practitioner

EDUCATION

Bachelor of Arts - San Jose State University