Lucas Wang

Site Reliability Engineer

⚲ Adelaide, Australia

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🖥 vlucaswang.com ⤤

in LinkedIn ⤤

⊙ Github ⤤

A Site Reliability Engineer with ten years of system administration and automation experience, passionate about solving problems at scale and delivering impactful solutions.

Skills

Platform

AWS   Terraform

Cloudflare

DevOps

Buildkite

Octupus Deploy

Github

Incident

Pagerduty   Datadog

Sumologic   Rollbar

Language

Bash   PowerShell

Golang

Languages

English

Full Professional

Mandarin

Native Speaker

Work

Envato ⤤
Site Reliability Engineer

May 2021 - Present

I optimized, improved and maintained hybrid Heroku/AWS application environments.

- Developed subject-matter expertise on Cloudflare by understanding stakeholder needs and views.
- Containerized Continuous Delivery pipelines for a suite of Ruby and NodeJS applications.
- Assisted with our team's building out all infrastructure in managed code using Terraform.
- Collaborated with peers on the development of new tools and services used by all engineers.
- Integrated and migrated monitoring solutions into meaningful observability measurement, to help stakeholder in decision making.
- Added customized instrumentations to code for adding application observiability.

illion ⤤
DevOps Engineer

Oct 2020 - May 2021

I leaded the project to containerize EC2-based environment for better avaliability.

- Built new NGINX(EC2)/PHP/Laravel(EC2)/MySQL(RDS) systems in AWS from code repository to fully automated test/staging/prod environment
- Implemented packer pipeline to build immutable AMI and update AutoScaling Groups, utilizing CodeDeploy to provide blue/green deployments.
- Rebuilt build/deploy pipeline to improve mean time to deliver from 2 hours to 10 minutes.
- Migrated CloudWatch Logs to SumoLogic and building SumoLogic log/metrics-based dashboards to provide operation and business visibility.
- Worked with security team to obtain SOC 2 Type 2/ISO 27001.
- Reduced AWS Cost by 10% in 6 month and improved efficience.

Avinet ☐

DevOps Engineer

I built new infrastructure-as-code .Net-based systems in AWS, deployed by CI/CD pipeline with Azure DevOps/Octopus Deploy/Atlantis/Terraform.

- Provided end-to-end performance visualization and real-time security issue identification in the production environment via SumoLogic/Site24x7/PRTG/Cloudwatch and reduced the response time from 45 min to 15 min.

- Implemented AWS automation to cut down the production update window by 50% and eliminate human dependencies by 90%.

- Converted existing manual deployments to reproducible idempotent processes in the CD pipeline.

- Performed vulnerability scans again internal system at a different level with different tools: Cloud Conformity/Rapid 7/Amazon Inspector and applied report with remediation.

- Planned, migrated and managed On-Premises Atlassian stack to Atlassian Cloud.

- Connected Okta SAML/SSO with all internal/external services.

TP IT Solutions PTY LTD

Technical Support Engineer

Apr 2016 - May 2019

I supported day-to-day operations of the company and all the customers by proactively identifying problems and analyzing future needs.

- Performed all systems administration duties, including configuration and maintenance of business services on both Windows and Linux-based, physical and VMware environments.

- Automatic provisioning of enterprise infrastructure and application environment through Gitlab, Terraform, Ansible and PowerShell in multi-stack instances.

- Managed and validated auto-restored backups with PowerShell scripting.

- Designed and implemented High Available AWS solutions for clients with Auto Scale EC2, ELB, Amazon RDS and S3.

Sichuan S.Y.S Software System Co.,Ltd

Linux Engineer

Nov 2013 - Feb 2016

I managed over 1200 RHEL virtual machines on VMware vSphere infrastructure of more than 250 servers located in three different data centres.

- Dedicated project manager with responsibility for Linux automation platform deployment, leading a team of five technical people.

- Provided Level 2 and Level 3 support for business-critical systems.

- Planned a disaster recovery strategy with the standard of three data centres.

- Analyzed multi-dimensional system issues including performance tuning, kernel panic trouble-shooting, application trouble-shooting, resource allocating, and system security enhancement.

Talend ⧉

Apr 2012 - Nov 2013

IT Specialist

I was responsible for management, strategy and execution of IT infrastructure in Talend Beijing Office.

- Administrated over 300 Centos/Ubuntu mixed virtual machines on VMware vSphere infrastructure of more than 20 servers.
- Participated in testing and operating OTRS IT management system, providing improved customer SLA for internal staff with supporting and tracking.
- Experienced in agile development and configuration management technologies such as Kickstarts, Cobbler and Ansible.
- Managed and maintained VMware vSphere clusters.

Chongqing Dongxiang Medical Apparatus and Instruments Co., Ltd

Aug 2008 - Apr 2009

IT Engineer

Solo engineer managed all Linux servers and IT environment.

Education

The University of Texas at Arlington

Dec 2009 - Dec 2011

Masters in Computer Science (incomplete)

Chongqing University of Post and Telecommunications

Dec 2004 - Dec 2008

Bachelors in Electrical and Electronics Engineering