Ashok Raja

DevOps, Cloud Architect

In thirst of a challenging problems to solve, stay hungry stay foolish.

Aiming to help organisations to build highly scalable secure systems/infrastructure for maximum productivity with reduced cost. Enabling the organisation to effectively monitor, control, react & automate the software systems/infrastructure & release management. A Pythonist & Gopher. Love everything about AWS, DevOps Practice.

ashokraja.r@gmail.com
+91 97409 15999
Bangalore, India
gihub.com/ashokrajar

Work Experience

Dec 2014 - Present   Bangalore, India
Operations Engineer (Cloud Architect)
Bloomreach

Accomplishments
- Execute & own one of the largest Cloud Infrastructure.
- Design application deployments, define & practice cloud security standards, auditing & cost effective cloud resource usage.
- Execute, build & Mentor the complete IT infrastructure for Bangalore Office
- Built a high available Graphite cluster for Metric Store & CI/CD infrastructure
- Improved the S3 crawler for analytics & monitoring of S3 usage to run in a day from 1week
- Automate recursive tasks using OSS tools or develop one if it doesn't exists.

Jun 2013 - Nov 2014   Bangalore, India
Senior Systems Engineer (DevOps)
Apigee

Accomplishments
- Execute & Own one of the biggest AWS infrastructure
- Core architect & developer of the home grown automation tool for deployment/ maintenance/orchestration
- Build high available Graphite cluster for Metric Store.
- Collaborate & mentor the team on the goals
- R&D, POC for adoption of newer technologies
- Maintenance of legacy tools

Jan 2010 - Jun 2013   Bangalore, India
Tech Lead - Service Engineering
Yahoo *!*

Accomplishments
Design, Architect, Orchestrate the right technology stack for the project. Design and develop Load & Performance testing. Own the complete infrastructure for high performance sites like Yahoo vertical search platform, Yahoo Shopping, Yahoo Travel. Active participant of yahoo internal Hack Day events.
- Scaling the backend API & indexing to serve 4000+ RPS with <100ms response time utilising/choosing cost effective hardware
- Design & Architect zero downtime deployment across multiple datacenter
- Developed a bot to hunt and kill stale documents from a 100M index store
- Identified & reduced the internal application timeout from 15% down to <0.1%
- Multi-Datacenter migration with zero downtime

Jan 2008 - Jan 2010   Bangalore, India
System Administrator
Verismo Networks Private Ltd.,

Accomplishments
- DRBD High Availability cluster for LAMP stack
- Custom OS image tailored with custom LAMP stack tweaks
- Developed a custom CMS system for Internal Intranet Site, Customer Ticket Tracking System & Customer Support Portal
- Automated OpenVPN infrastructure

Jan 2005 - Jan 2008   Madurai, India
System Administrator
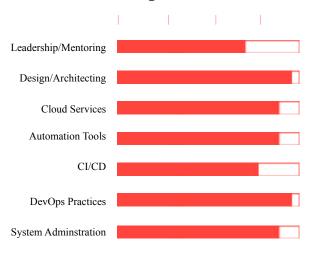Winways Systems Private Ltd.,

Accomplishments
As a system administrator at Winways systems was responsible for the entire IT infrastructure. Deploying O2(home grown ERP product) on the customers servers and remote maintenance/troubleshooting. Managing/monitoring single sign on, acl, disk quota & firewall.

Education

Jul 2001 - Apr 2005
Bachelor of Science in Physics
Madurai Kamaraj University College

Skills & Competences

Skill	Level
Leadership/Mentoring	▰▰▰▰▱
Design/Architecting	▰▰▰▰▰
Cloud Services	▰▰▰▰▰
Automation Tools	▰▰▰▰▰
CI/CD	▰▰▰▰▱
DevOps Practices	▰▰▰▰▰
System Adminstration	▰▰▰▰▱

Tools & Technologies

Languages	Bash, Python, Golang
Automation	Saltstack, Chef, Puppet, Ansible, Kickstart, OS Remastering, Home grown tools using Python/ Golang, Jenkins
Cloud Services	AWS, Heroku, Google, OpenShift
High-Availability	DRBD, Haproxy, Nginx, DNS, Amazon ELB
Load Testing	HP Loadrunner, Gatling, Funkload, Slamd
Data Store	MySQL, MongoDB, ElasticSearch, InfluxDB
Network Services	LDAP, NIS, Bind DNS, DHCP
Caching	Squid, Varnish, ATS, Nginx, Memcached, Cloudfront (CDN)
Security	Iptables, Snort, Metasploit, Shorewall, SElinux, Apparmor, OpenVPN
Monitoring	Nagios, Zenoss, Graphite, Sensu
Storage	Hardware/Software RAID, LVM, GlusterFS

Achievements & Certificates

RedHat Certified Engineer (2005)
Certificate Number : 803005996514398

You Rock award
from Yahoo

Individual Contributor Award
from Verismo Networks

Languages

English   Tamil

Interests

Mentoring | AWS | Golang | Python | Systems Automation | CI/CD | DevOps | Biking | Trekking