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.

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Work Experience

Sep 2017 - Current   Bangalore, India

Senior DevOps Engineer AppDynamics (Cisco)

Accomplishments
- Executing a Hybrid Mutli-Cloud infrastructure.
- Redesign/Architected code base into modular, multi-cloud supported, extendable
- Mentoring a team of 4, Conducting technical workshops.
- Initiating new tech discussions/improvements. Taking ownership of POC, R&D.
- Developed a unified API layer to integrate/query from various DataCenter/Cloud
- 2018 Hackathon Winner - Enabling voice assistance for AppD APM offering.
- Developed a UI wrapper for an existing API backend with VueJS

Dec 2014 - Sep 2017   Bangalore, India

MTS (Cloud Architect)   Bloomreach

Accomplishments
- Executing one of the largest Cloud Infrastructure.
- Working closely with Engineers across different regions to practice DevOps to design, define & develop cost effective cloud native secure applications.
- Architected/Owned infra structure as code (config/orchestration management using Terraform & SaltStack, high available Graphite cluster for Metric Store & CI/CD infrastructure.
- Lead the complete Bangalore Office IT infrastructure
- Re-Designed the home grown S3 crawler to run in < day from a week
- Developed custom home grown tools to control/manage/integrate the cloud

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 search and purge 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
- MySQL DRBD High Availability cluster
- Custom OS image tailored with compiled/optimised LAMP stack
- Developed a custom CMS/TicketTracking/CustomerSupport Portal
- Automated OpenVPN infrastructure

Jan 2005 - Jan 2008   Madurai, India

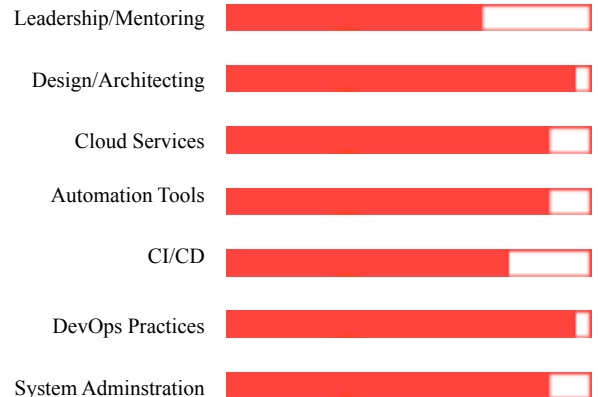### System Administrator   Winways Systems Private Ltd.,

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.

Languages I Speak

English   Tamil

Skills & Competences

Leadership/Mentoring
Design/Architecting
Cloud Services
Automation Tools
CI/CD
DevOps Practices
System Adminstration

Tools & Technologies

Languages	Bash, Python, GoLang(Early Bird)
Automation	Saltstack, Puppet, Ansible, Terraform, Jenkins & Home grown tools using Python
Voice Assistance	Alexa ToolKit
Cloud Services	AWS, Heroku, Google
High-Availability	DRBD, Haproxy, Nginx, Akamai, ELB, Route53
Data Store	MySQL, MongoDB, ElasticSearch
Network Services	LDAP, NIS, Bind DNS, DHCP
Caching	Squid, ATS, MemCached, CDN
Security	Snort, Metasploit, Shorewall, SElinux, Apparmor, OpenVPN
Monitoring	Nagios/Icinga, Graphite, Sensu
Storage	RAID, LVM, GlusterFS, NFS

Education

Jul 2001 - Apr 2005

Bachelor of Science in Physics
Madurai Kamaraj University College

Achievements & Certificates

RedHat Certified Engineer (2005)
Certificate Number : 803005996514398

You Rock award
from Yahoo

Individual Contributor Award
from Verismo Networks

Hackathon - Crowd Favourite Award
from AppDynamics (Cisco)

Interests

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