

Ashok Raja (DevOps, Cloud Architect)

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 Cloud, Serverless, DevOps Practice, scalability, observability, reliability.



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Dubai, UAE

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Work Experience

Oct 2019 - Current

Dubai, UAE

Principal DevOps (Data Science)

Adecco (Emirates)

Connecting & enabling teams build resilient systems by using the apt technologies and also to adapt to the new ways of working. Practicing CI/CD for efficient delivery and adopting DevOps principals(Automation, Observability, Reliability)

- Developed a simplified home grown Azure ADLS RBAC automation using Go & YAML.
- Created a home grown framework for measuring DevOps Maturity.
- Technology Stack :
 - Azure [AKS, ADLS (Gen1, Gen2), DevOps, Databricks, Data Factory]
 - DataIKU
 - Golang, Python

Sep 2017 - Oct 2019

Bangalore, India

Senior DevOps Engineer

AppDynamics (Cisco)

- Executed a Hybrid Mutli-Cloud infrastructure. Initiating new tech discussions/improvements. Taking ownership of POC, R&D. Mentoring a team of 4, Conducting technical workshops.
- Redesign/Architected code base into modular, multi-cloud supported, extendable
- 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
- Developed a AWS cost reduction recommendation tool to reduce cost.

Dec 2014 - Sep 2017

Bangalore, India

MTS (Cloud Architect)

Bloomreach

- 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 infrastructure.

Jun 2013 - Nov 2014

Bangalore, India

Senior Systems Engineer (DevOps)

Apigee

- 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 !

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 search platform, Shopping, Travel. Active participant of yahoo internal Hack Day events.

- Scaled the backend to serve 4000+ RPS with <100ms using optimised 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%

Jan 2008 - Jan 2010

Bangalore, India

Linux System Administrator

Verismo Networks Private Ltd.,

- 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

Linux System Administrator

Winways Systems Private Ltd.,

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.

Skills & Competences

Leadership/Mentoring	<div><div></div></div>
Design/Architecting	<div><div></div></div>
Cloud Services	<div><div></div></div>
Automation Tools	<div><div></div></div>
CI/CD	<div><div></div></div>
DevOps Practices	<div><div></div></div>
System Administration	<div><div></div></div>

Tools & Technologies

Languages	Python(Mid Level), GoLang(Early Bird)
Automation	Saltstack, Puppet, Ansible, Terraform, Jenkins & Home grown tools using Python, Azure DevOps
Voice Assistance	Alexa ToolKit
Cloud Services	AWS, Azure, Heroku, Google
High-Availability	DRBD, Haproxy, Nginx, Akamai, ELB, Route53
Data Store/Service	MySQL, MongoDB, ElasticSearch, RDS
DataScience/ETL	DataIKU, DataBricks, Azure DataFactory
MicroServices	Docker, Kubernetes
Network Services	Bind, NFS, Squid, ATS, MemCached, CDN
Security	Snort, Metasploit, Shorewall, SELinux, Apparmor, OpenVPN
Monitoring	Nagios/Icinga, Graphite, Sensu
Storage	RAID, LVM, GlusterFS, NFS, ELB, S3, ADLS

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