Umabalan Nagarajan

DevOps Engineer at Domain.com.au

Summary

Highly accomplished DevOps Engineer with solid experience in providing CI/CD solutions in AWS through various DevOps tools. Possess exceptional technical-to-business communication skills, strong analytical and problem solving skills utilizing logical and systematic approach. Have ability to work as a team member or individually. Capable of making critical decisions while under pressure and assuming responsibility for results.

Core Skills
Continuous Integration: Jenkins, Drone
Scripting: Ruby, Bash, Python, Go
Cloud: AWS, GCP
Docker: Kubernetes, ECS, nomad

Experience

DevOps Engineer at Domain
July 2016 - May 2018 (1 year 11 months)

   o Migrate Elasticsearch 1.x cluster to 2.x cluster
   o Dockerize nodejs applications
   o Built CI/CD pipeline (including Blue Green Deployment) through Slack Bot, Jenkins and AWS api gateway
   o Build and automate logging solution with ELK
   o Automated Kubernetes cluster deployment using kops and custom built tool to deploy to various AWS account
   o Pushing Kubernetes to production (Work in Progress)
   o Built a deployment pipeline that reduced production deploy time from 40 minutes to under 5 minutes
   o Written custom Helm Charts for Elasticsearch to be deployed on Kubernetes that could save AWS cost (Including make kubernetes to schedule containers on OnDemand instances only if Spot instance group is unavailable)
   o Build Pipeline to deploy to kubernetes using Drone
   o Build and maintain Puppet and AWS infrastructure

DevOps Engineer at Fluent Retail
November 2015 - July 2016 (9 months)

o Database migration from mysql to postgres 9.5

o Design and Automate build pipeline using Cloudformation, packer, serverspec and Jenkins

o Build and maintain Nexus and aptly repo

o Automate infrastructure and application Monitoring through developing tools in JAVA

o Configure and automate Tomcat and Apache for each JAVA application through puppet

o Troubleshooting JAVA applications

IT Systems and Infrastructure administrator at nib health funds
October 2013 - October 2015 (2 years 1 month)

o Work closely with internal stake holders especially with Web Developers and tools team to provide the required systems through Puppet

o Configure load balancing for all core business systems through Netscaler, to provide business continuity during disaster

o Successfully completed Informix migration project through automating the install process through Puppet Informix module and coordinating with internal stake holders for testing before and after the migration

o Perform continuous integration through Bamboo

o Configure Firewall rules for the applications as necessary

o Focus on Automation through puppet and Ruby – Written Ruby code from scratch to upload new certificates to all netscalers in the network and map the cert to the required application.

o Automated Linux Patching schedule and deployment for Centos and Opensuse servers through puppet and bash scripting

o Currently working SQL migration project

o Currently working on migrating WFM application specific to Call center to AWS

o Heavily involved with senior members of the team in discussing about possibility to migrating existing infrastructure to AWS.

o Planning & scheduling the network and service down time for various upgrades and Maintenance

o The main responsibility is to maintain network uptime of 99% and service uptime of 100%

o Monitoring network traffic, analyzing the critical and internet security

ICT Administrator at Saipem
June 2012 - October 2013 (1 year 5 months)

Collecting information to analyze and evaluate proposed Network Architecture.

Handled a LAN contains 1000 users in various locations

Taking care of Full access layer network contains 1000 users

Configuring and Troubleshooting Access layer Switches,

Collecting switch details, switch utilization reports

Enabling switch ports for end users to establish connectivity with their project network

Pruning of VLANS on respective switches.

Coordinating with client for testing new project implementations.

- Troubleshooting VPN and Citrix connection problems.
- FIFO to Arcadia Valley Camp on 28\9 roster to provide IT support to internal clients
- Troubleshooting layer 2 looping issues
- Configuring Port Channel between MDF and IDFs
- Co-ordinated with Telstra to implement VPLS between multiple sites and tested the network after installation
- Configure AIR1500 series outdoor access points and wireless LAN controller to provide wireless infrastructure in the camp site.
- Documenting Network problems and resolutions for future reference.
- Build and maintain company VMware infrastructure spread across Four sites
- Windows Server 2003, 2008 R2 installation, deployments and troubleshooting
- Provided design, implementation, administration and support of Windows 2008 R2 Active Directory
- Configuring DNS, DHCP, Group Policy
- Create user account and mail account in AD and Exchange server
- Setup file server and create security settings for the folder access to the users
- Provide technical support to the internal clients with PC and MAC
- Troubleshooting and resolving hardware, software, and connectivity problems, including user access and system configuration.
- Recording and maintaining hardware and software inventories, server licensing, user access and security.
- Installing, configuring and upgrading desktop hardware and peripherals.
- Provide 24x7 on-call support of production servers and Network
- Planning & scheduling the network and service down time for various upgrades and Maintenance

Level 2 & 3 Helpdesk Support at BES IT Systems
August 2011 - May 2012 (10 months)

- Installing and Maintaining Virtual Machines in the Datacenter
- Migrating VMWare ESXi 4.0 to ESXi 5.0
- Installing Application and publishing in Citrix XenApp6.0
- Troubleshooting Application errors in Citrix XenApp6.0
- Configuring Cisco routers and Switches and troubleshooting them.
- Configuring DNS
- Configuring DHCP Scope
- Creating Group Policy for Domain users
- Installing and Maintaining Windows SBS and Windows server 2008
- Taking Backup using Shadow Protect
- Providing technical support to clients via telephone and email.
- Logging all call activities and upgrading various software.
- Monitoring network traffic, analyzing the critical and internet security

Escalating any issues for further troubleshooting until the problem is solved.

IT Support/ Network support
April 2009 - August 2011 (2 years 5 months)
   Install and maintain IT hardware and software
   Troubleshooting Computer hardware and software
   Configuring IP Address and managing DHCP issues.
   Providing technical support to clients via telephone and email.
   Logging all call activities and upgrading various software.
   Monitoring network traffic, analyzing the critical and internet security services.
   Escalating any issues for further troubleshooting until the problem is solved

CCNA Tutor at Queensland University of Technology
December 2010 - June 2011 (7 months)
   o Tutoring CCNA – Switching, Routing and Tunneling Technologies
   o Managing and Troubleshooting Cisco Routers and Switches

Network Research Assistant at Queensland University of Technology
June 2010 - November 2010 (6 months)
   Researched on various technical aspects of tunneling technologies like GRE, IPsec, DMVPN and
    MPLS to have in depth knowledge of the advantage and disadvantage of each technology and how
    these technologies could be used effectively in an organization

Network Support
August 2010 - August 2010 (1 month)
   o Configured Cisco routers and Switches
   o Helped in providing wireless network access to all users in the event

Education
Queensland University of Technology
Masters, Information Technology (Network Management), 2008 - 2010
Anna University
Bachelor's degree, Information Technology, 2004 - 2008

Honors and Awards
Best Rookie of the Year 2016, Stepping up and Mentoring Junior DevOps Engineers

Linked in.