

Ajeesh Vijayan

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Site Reliability Engineer with international hands-on experience providing creative Architecting solutions, applying and managing hosting infrastructure for large web applications (Java Stacks, LAMP Stacks) across both On-Premise data-centers and on AWS Cloud. Proven successes in developing test-driven infrastructure code and implementing and running fully automated CI/CD pipelines for application and infrastructure. An independent individual who approaches decision-making with a focused and methodical perspective, also keen to share and accelerate knowledge growth across an agile team.

Technical Skills

- ◇ **Systems Architecture:** Design and implementation of scalable and resilient hosting infrastructure on Public Cloud platforms and on On-Premise data centers.
 - ◇ **AWS Services:** Lambda, S3, EC2, EBS, RDS, ELB/ALB, Autoscaling, CloudFormation, Route53, IAM, KMS
 - ◇ **Containers:** Docker, AWS ECS
 - ◇ **Programming Languages:** Python, Groovy, Ruby, Bash and C11(gcc)
 - ◇ **SCMs:** Git, Perforce
 - ◇ **Debugging:** GDB, objdump, nm, readelf, strace, ltrace
 - ◇ **Data Store:** MySQL, Cassandra
 - ◇ **Linux & Unix Internals:** In-depth knowledge of Linux/Unix, performance tuning and security hardening
 - ◇ **Configuration & Deployment Management Tools:** Jenkins, Chef, Packer, Serverspec, Test-Kitchen
 - ◇ **Application Stacks:** LAMP Stack, Nginx - Python stack, Java Stacks using Tomcat and JBoss
 - ◇ **Computer Networks:** OSI & TCP/IP Suite, L2 and L3 Routing, DNS
 - ◇ HA and Load Balancing Concepts
 - ◇ **Internet Security:** Expertized in Systems and Cloud Security
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Career History

Intuit Ltd | *Senior Site Reliability Engineer* | UK **Jan 2018 – Aug 2020**

- Set-up the QBOP UK payroll infrastructure on AWS ECS and docker to accelerate customer acquisition
- Assist developers to migrate a CICD infrastructure from an AWS VPC (with a legacy direct connect VPN) to a new standalone AWS VPC, planning the implementation to coincide both VPCs are operational during the 3-month process.
- Optimise the CICD infrastructure restacking time from 1 week to 4 hours, refactoring and rewriting code to avoid using a private VPN connection.
- Quickly respond to incidents, capacity planning for the infrastructure, performance analysis, preempt recurring infrastructure issues.

Intuit Inc | *Senior Site Reliability Engineer* | USA, Mountain View, CA; San Diego, CA **Jan 2014 – Dec 2018**

Chef | Python | Bash | RHEL7 | RHEL6 | Tomcat7 | Tomcat8 | Nginx | Cloud Formation

- SRE lead for all AWS projects within the Identity Applications team and SRE lead for the Tax Anti-Fraud Service.
- Planned and migrated Intuit's Identity applications from the on-premise datacenter to the cloud, resulting in all pre-production environments for 5 applications integrated within a 6-month timeframe.
- Engineered the AWS infrastructure for a machine learning based service to detect USA tax fraud, and deployed all pre-prod/prod environments under a 40-day time period.

Intuit Inc | *Applications Operations Engineer – Development Centre* | India, Bangalore **Dec 2009 – Jan 2014**

Linux | Microsoft Windows 2003, 2008, 2012 Servers | MSSQL Server | JBoss | Tomcat

- Managed infrastructure for Quickbooks Online, Intuit Online Payroll, Intuit Partner Platforms and Cloud Sync app for QBO Desktop payroll (EWS).
- Developed scalability and efficiency by building a team of 6 members in 2 years, and offering 24/7 support for the Intuit US Payroll application.

- Facilitated the datacenter migration for the Cloud Sync app for QBO Desktop payroll (EWS) product from Reno (Nevada) and Plano (Texas) to Quincy and Las Vegas; leading the project within a team of engineers.
- Improved high-availability for EWS by moving away from Active-Passive disaster recovery model to Active-Active model using BIG-IP DNS.
- Led the implementation of a new CI/CD infrastructure as part of the migration (Perforce, Ant, Jenkins and Puppet)
- Decreased CI/CD infrastructure expenses and application deployment time by migrating away from costlier proprietary tools such as BuildForge and Teamcity to Jenkins (opensource)
- Coordinated with the engineering team in Boston (USA), to perform and support infrastructure for Intuit Partner Platform 24/7 from Bangalore (India).

Globals ITeS | *Linux Systems Administrator* | India, Bangalore **Aug 2009 – Dec 2009**

AWS - EC2 | S3 | EBS | MySQL | Tomcat | Apache | Nagios | Cacti | Varnish Cache

- Created the server architecture for PHP and Java based web applications deployments in AWS; extensively used and optimized Apache, MySQL, Tomcat, Adobe Flash Media Servers, ColdFusion Servers and Linux servers.
- Clustered, performance optimised and load balanced Apache and MySQL, including monitoring the infrastructure setup using Nagios and Cacti.
- Designed and implemented the infrastructure a chinese e-learning Platform with video streaming on AWS and with a distributed memcached based caching infrastructure, delivering the project within a 2-month timeline.

Livestream Technologies | NOC Engineer | India, Bangalore **Dec 2007 – Aug 2009**

AWS - EC2 | S3 | EBS | Bash | Tomcat | Apache | Squid Reverse Proxy | Nagios | Cacti

- Administrated production and pre-production infrastructures hosted in AWS public cloud; maintained, installed and configured various software and servers.

Poornam Info Vision Technologies | Software Engineer | India, Cochin **Mar 2007 – Dec 2007**

- Remote administration of Linux and Windows 2000/2003 web hosting servers, including installed and configured Apache, MySQL, PHP/Perl and various open source software; managed Mail Server Software (Exim, Qmail).
- Installed, configured and maintained DNS Servers and Web Hosting Control Panels (WHM/C-Panel, Plesk, Ensim, HSphere).
- Troubleshooted and resolved hosting related issues in a predefined time frame, including conducting security audits for Linux (Centos) based web hosting servers.

Rajagiri School of Engineering & Technology | Scientific Assistant | India, Cochin **Jun 2006 – Mar 2007**

- Worked as a teaching assistant for various courses in Microprocessor Systems, Java Programming and C++. I was also a member of the programming lab maintenance team.

Education

Mahatma Gandhi University | *BTech Computer Science & Engineering* | Kerala, India **2001 – 2005**