Joji Antony

jojiantony@yandex.com
+91 96323 41954

Profile   Back end leaning full stack developer with 8+ years of experience in the IT industry, revolving around designing, building, testing and implementing infrastructure software solutions for clients in diverse industries.

Education   **Undergraduate College Education**
Bachelor of Technology in Computer Science and Engineering from College of Engineering, Trivandrum

Technical Skills   **Programming Languages**
Go, Python, C, C++, Java (EE 6, Hibernate), JavaScript (React, Redux), Perl etc.

Platforms
Linux, Amazon Web Services, Kubernetes, Heroku, MySQL, Postgres, Docker etc.

Work Experience and Projects   Employed at Arista Networks since April 2018

Arista CloudVision Portal   *2018 - Present*

CloudVision is a network management platform which is based on Arista Network Database. Arista EOS is a Linux based Network OS that is capable of being extended with an application that can stream the current switch state to a network management platform to produce a network database (NetDB). This extension can be used to provision configuration, stream telemetry, run scripts etc as directed by the network management platform.

Accomplishments

- Design and implement Kubernetes based container farm for scale testing
- Design and implement a Sphinx based course for on boarding of new members
- Implement scale tests with reporting features using InfluxDB
- Improve product scale to support more devices
- Develop automated tests for new and existing features
- Provide support to customers during on-call rotation

Nutanix Move   *2016 - 2018*

Nutanix Move is a migration platform to migrate workloads from legacy infrastructure to Nutanix Cloud. It consists of Xtract for migrations and Xplorer for reconnaissance.

Nutanix Cloud is a scale out hyper-converged private cloud platform from the authors of Google File System that unifies storage, compute and networking into a single pane of management glass.

Accomplishments

- Lead the AHV hypervisor support feature in Nutanix Xtract for DBs
- Design and implement error handling and remediation
- Lead the release of Nutanix Xplorer 1.0
- Design and implement static IP address deployment using Windows sysprep
- Design and implement ISO file verification using Nutanix NFS support

HPE Hyperconverged cloud   *2016 - 2016*

HPE Hyperconverged was a private cloud platform project based on HPE StoreVirtual storage aggregator software. As a front end developer, my role was to work with the user experience team to implement the user interface in React and Redux.

Accomplishments
Implemented Image Management UI

HP Network Node Manager   *2013 - 2016*

HP Network Node Manager (NNM) is a collection of software that helps users analyze, manage and monitor their networks from the designers of SNMP. The platform discovers network topology, stitches them into a graph, polls the devices periodically and reports root cause errors using an analyser engine. The Smart Plugin (SPI) architecture allows the platform to be extended to provide integration to other automation platforms for remediation, run book automation among other features.

Accomplishments

- Improve SNMP v3 USM specification compliance in the SNMP stack
- Enable Network Function Virtualization support
- Port the Network Engineer's Tool set to Linux
- Add User Interface support for Safari on Mac
- Add CSRF protection to the NNM
- Release NNM SPI NET 10.0, 10.10, 10.20, NNM 10.10, NNM 10.20, and many other patchsets
- Solve many multi-threading issues (ACE framework)
- Solve many cache coherence issues
- Support NNM on 6 platforms (Linux 2.4 x86, Linux 2.6 x86, Solaris SPARC, Windows x86, HP-UX Itanium and HP-UX PARISC)

Side projects   **Plivo Call Center**
Functional call center application using Plivo API running on the Heroku Platform
https://github.com/simula67/plivo-callcenter

Online Profiles   **LinkedIn :** *www.linkedin.com/in/joji-antony*
Github : *https://github.com/simula67/*