

Joji Antony

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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

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

- Setting up a Kubernetes based container farm for devices for scale testing
- Coordinating and facilitating the quick on boarding of new members by using a Sphinx based course
- Creating scale tests with reporting features using InfluxDB
- Improving product scale to support more devices
- Developing automated tests for new and existing features
- Providing 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
- Designed and implemented error handling and remediation
- Lead the release of Nutanix Xplorer 1.0.
- Designed and implement static IP address deployment using Windows sysprep
- Designed 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

- Improving SNMP v3 USM specification compliance in the SNMP stack
- Enabling Network Function Virtualization support
- Port the Network Engineer's Tool set to Linux
- Add User Interface support for Safari on Mac
- Adding CSRF protection to the NNM
- Released NNM SPI NET 10.0, 10.10, 10.20, NNM 10.10, NNM 10.20, and many other patchsets
- Solved many multi-threading issues (ACE framework)
- Solved many cache coherence issues
- Supported the 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/>