

Chandrashekhara A

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Summary

Around 19 years of industrial experience in Design, Implementation and testing of storage solutions, server virtualization, Layer 2 networking, File system and Application development.

Work Experience

Ionos Networks inc. /IP Core solutions Pvt. Ltd. 2016 – Present

Technical Lead

- **Quantum File Transfer (QFX)** :QFX is file sync solution that can operate at Gigabit speed across continent. I was responsible for architecture of control plane and led a small team and implementation of,
 - API gateway and API security
 - Message server and client for devices to controller communication and vice versa
 - Common infrastructure for all the micro-services
 - Implementation of local controller
 - TLS communication between all the services and infrastructure modules.

Hewlett-Packard India Software Operations Pvt. Ltd. 2011 – 2016

Technical Consultant

- **Avatar Distributed File System**: This is a distributed file system and is used to provide file serving capability to 3 PAR storage array.
 - Worked on supporting file system on Linux kernel 3.10.
 - Worked on M-Tree, S-tree caching for improving the performance.
- **Virtual Connect** : Virtual connect is IO solution for industry standard Blade environment. It provides external connection to all the blade servers present in the enclosure. Lead the team for the implementation of
 - Supporting Authentication /Authorization /Accounting using Tacacs/Radius mechanisms.
 - sFlow a network monitoring solution for virtual connect
 - Provided technical consultation for features like FIPS, partial stacking domain and support for SNMP v3

Hewlett-Packard India Software Operations Pvt. Ltd. 2010 – 2016

Software Engineer

- **Virtual Partitions (vPars)**: vPars enables running multiple instances of HP-UX on a physical machine. In this resources like memory, IO slots, and CPU are partitioned and allocated to instances. I worked on the following features such as
 - tape boot recovery
 - CD-Rom boot
 - Mixed Version support (HP-UX)
 - Function level resource assignment.
- **Storage Management Solutions**
 - Worked on storage solutions like C-Track a pro-active monitoring solution for HP storage array
 - Providing common manageability interface (SMI-S) for HP storage.

Technical skills

Languages : C, GoLang

Technologies: Micro-services, Kubernetes, Docker, Networking , File-system

Patent

Method and system for preferred CPU binding on virtual partitions Issued August 5, 2014
United States 8799616

Education

REC Tiruchirapalli Master of Engineering (Computer science) 1999 –2001
U.V.C.E Bangalore Bachelor of Engineering (Computer Science) 1994-1998