

<div> <div>Kanishka Keshav</div> <div>Senior Developer</div> <div>SAP LABs</div> </div>	<div> <div>Kanishka Keshav</div> <div>Marvel Ideal Spacio, Undri, Pune - 411060</div> <div>+91-8308845865</div> <div><a href="mailto:knshk.keshav@gmail.com">knshk.keshav@gmail.com</a></div> <div><a href="https://www.linkedin.com/in/kanishka-keshav/">https://www.linkedin.com/in/kanishka-keshav/</a></div> </div>
<div>Summary</div>	<div> <p>I am a graduate from the Department of Information Technology, SJCE Mysore, with over 14 years of Software development experience, currently working in SAP Labs India as Senior Software Engineer. I have worked in database development, storage virtualization, iSCSI, iSER implementation. Have strong understanding and experience in networking (TCP, UDP, OpenFlow), storage, database, C/Python, data structures, algorithms and linux systems.</p> <p>An energetic person with a keen appetite for problem-solving and passionate about building software that not only works but amazes.</p> <p>I believe in keeping pace with evolving technologies. Learning and working in a rapidly evolving ecosystem excites me.</p> <p>Tags : #scrummaster #storage #storagevirtualization #iscsi #networking #ethernet #tcp #database #linuxsystems #clanguage #multithreading #filesystems #python #teambuilding</p> </div>
<div>Skills</div>	<div> <ul style="list-style-type: none"> <li>C ★★★★★</li> <li>Python ★★☆☆☆</li> <li>C++ ★☆☆☆☆</li> <li>Data Structures, Algorithm</li> <li>Linux Systems and multithreaded programming</li> <li>Storage, Storage Virtualization and Networks</li> <li>Database</li> <li>Backend development</li> <li>Debugging, Code Review, Design Reviews, Scrum Master</li> </ul> </div>
<div>Experience</div>	<div> <div>SAP Labs India Pvt Ltd</div> <div>Senior Software Engineer, (Dec-2019 till present)</div> <ul style="list-style-type: none"> <li>I am currently working as an component owner and scrum lead for the dbaccess team in SAP ASE database. <ul style="list-style-type: none"> <li>As a dbaccess team member I am responsible to maintain and improve features such as <ul style="list-style-type: none"> <li>Page management(OAM, GAM, AP),</li> <li>space management (shrink, extend),</li> <li>scans(table scans, cursors, isolation levels),</li> <li>disk management (disk initialization, disk mirrors),</li> <li>data reorganization capability (rebuild, defrag, compact),</li> <li>partition management etc.</li> </ul> </li> </ul> </li> </ul> </div>

- Triaging and tracking of tasks for all team members and planning for upcoming releases.
- Keeping my team members motivated and helping them in the design of new features and guiding them to achieve best code quality by regular code reviews.
- Customer and Support interactions to resolve the issues faced in a quickly and timely manner.
- Worked and helped on performance improvements of database features for large workloads.
- Evaluation of debugging tools.
  - Further customization and maintenance of the tool.
  - Integration of the tool in the test infrastructure.
  - Conducted training on how to efficiently use the tools which helped developers reduce the time needed to get the root cause analysis.

## **IBM India Pvt Ltd**

### **Senior Staff Software Engineer**

**(Nov 2015 - Dec 2019)**

- I was part of the transport (ethernet, iSCSI) team for IBM SVC (Storage Virtualization Controller). My responsibilities included contributing to the design and implementation of various features as an individual and as a team lead as well. I was also responsible for triaging and analyzing customer reported issues and to provide fixes.

#### **Projects/Features I completed as individual contributor and as team lead as well:**

- "Hot Spare Node", enhancement and adding ethernet/RDMA support
  - In a cluster when a node goes down all connections and information to a spare node.
- Fast IP failover and fallback in a clustered environment
  - In a cluster when a node goes down all its information along with assigned ips failover to its partner node.
  - We are implementing this functionality by creating a C library. The library is at user level and communication between user and kernel level is done using sockets.
- Ethernet port scalability and grouping on SVC
  - Increased support for maximum no. of iSCSI host attach port on SVC using C and kernel level programming.
  - Designed and developed grouping on ethernet ports of SVC to optimize storage target discovery and login in a heterogeneous ethernet environment.
- New VPD management infrastructure for new IBM SVC and storewise products.
  - Vital product data is the critical hardware and software information which is required for the hardware to function as expected.
  - Updated the existing infra to support VPD for new hardwares keeping it backward compatible.
- Memory manager for RDMA ports
  - RDMA drivers tend to dynamically allocate physically contiguous memory.
  - In a system where most of the memory is reserved by custom drivers for caching and other purposes, this could lead to problems.

	<ul style="list-style-type: none"> <li>○ Modified and maintained the RDMA drivers to invoke custom memory allocation routines.</li> <li>○ created kernel module to allocate the required physically contiguous memory during boot time and then manage it.</li> <li>○ If allocation was successful the memory manager would register new routines to the RDMA drivers for memory allocation and deallocation.</li> <li>● Qualifying RDMA adapter for SVC/Storewise <ul style="list-style-type: none"> <li>○ Installing RDMA drivers and binding adapters to available slots.</li> <li>○ During boot the ports found will be reported to different kernel drivers and to the user drivers.</li> <li>○ It will also check if there has been a change in the adapters that were previously configured.</li> </ul> </li> <li>● Agile methodology was followed during the development of previously mentioned functionalities.</li> <li>● Resolved bugs and defects reported by both the test team and customers.</li> </ul> <p><b>GS Lab, Pune</b></p> <p><b>Senior Developer, (Feb 2015 - Oct 2015)</b></p> <ul style="list-style-type: none"> <li>● I was responsible for design and implementation of HiveAgent that initiates and connects with Unified Management Interface to provide System Management interfaces for both Wi-Fi and Wired access/routing devices with consistent network policies. <ul style="list-style-type: none"> <li>○ Connecting to the Unified Network Management Interface.</li> <li>○ Network sweep to discover and manage other devices in the provided subnet/mask.</li> <li>○ Provided SSH, TCP/IP and SNMP based configuration capabilities.</li> </ul> </li> </ul> <p><b>Calsoft Pvt Ltd</b></p> <p><b>Senior Developer, (May 2013 - Feb 2015)</b></p> <ul style="list-style-type: none"> <li>● I designed and implemented multiple tools to build OpenFlow and SDN competency. <ul style="list-style-type: none"> <li>○ OpenFlow load generators</li> <li>○ OpenFlow based network monitoring.</li> <li>○ OpenFlow performance monitoring.</li> </ul> </li> </ul> <p><b>Wipro Technologies</b></p> <p><b>Senior Associate, (Oct 2010 - May 2013)</b></p> <p>Support and maintenance of a banking system for ABSA Bank.</p>
<b>Education</b>	<hr/> B.E. 2006-2010 SJCE, Mysore, Karnataka (VTU)
<b>Patents</b>	<hr/> Updating host discovery records based on target reconfiguration US11119951B2 · Issued Nov 6, 2019 <a href="https://patents.google.com/patent/US11119951B2/en">https://patents.google.com/patent/US11119951B2/en</a>

**Declaration :**

“I hereby declare that the facts given above are genuine to the best of my knowledge and belief.”

Date : May-25-2025

Place :

Signature