

Senior Software Developer Senior Software Developer Senior Software Developer - Oracle America
Work Experience Senior Software Developer Oracle America - Raleigh, NC July 2016 to Present
Working as individual contributor in core-file system team in OracleFlash Storage Group to provide stable storage for Oracle cloud infrastructure. Built the multi-version optimistic concurrency cache module on top file system based on btree storage to improve the I/O performance in various workloads. Developed and worked on an efficient space layout for instant thin filesystem clones feature without any dependency or master clone and designed a background worker pool to efficiently compact and reclaim the space. Worked on performance of overall stack to identify and fix the hotspots and contention, Used intel vtune along with flame graphs for cpu performance analysis. Created internal statistics infrastructure for the I/O performance bottlenecks. Designed and implemented the Rest server API for the filesystem management plane compatible to the oracle cloud.

Software Developer Oracle Bangalore - Bengaluru, Karnataka December 2013 to June 2016
Bangalore, India Worked as a part of multi-tier QoS file system team of Oracle Flash Storage Product. Did multiple Contribution to design, implementation and maintenance of modules in file system internal rpc code, metadata cache module and quota features. Worked on the performance of LRU cache module in multi-threading environment. Designed and developed a transaction scheme to reduce the contention of resource allocation for cache objects and developed a Garbage collection module for reaping the unused objects lazily without impacting the front-end operations. Bug fixes and Code reviews in the number of filesystem modules. Developed posix interfaces for the unit tests framework to easier test filesystem calls with new features/code check-in Implemented a python module for automated integration of changes over branches and testing. Created a web application using Oracle Application Express to create a daily regression board of populating result from automated test database.

Member of Technical Staff Netapp Inc - Bengaluru, Karnataka November 2013 to November 2013 India Worked as a part of Storage Efficiency Team. Storage Efficiency team handles the two features available namely compression and deduplication. I worked primarily on compression to reduce the physical data while preserving the logical data on the Storage System. The compression core engine used lz4 for compressing

blocks in their compression group. Developed a Python module for better integration of bug database query for web users. Education Bachelor of Technology in Computer Science & Engineering in Computer Science & Engineering Indian Institute of Technology - Hyderabad, Telangana August 2008 to 2012 Skills Sql, C/c++, C++, Django, Docker, Git, Perl, Python, Perforce, Matlab Additional Information SKILLSET Computer Languages C/C++, Python, Django (basics), Perl, Shell, Octave, SQL Tools and Packages Vagrant, Docker, Git/Perforce, GDB, Intel Vtune and flamegraphs, Matlab, NS-3

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