Apurwa Jadhav

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Education

Santa Clara University | MS Computer Science - 2021
· Graduate coursework: Design, analysis of Algorithms, Operating systems, Computer Architecture, Databases, Big Data, Web Programming

Pune Institute of Computer Technology | BS Computer Science - 2014
· Undergraduate coursework: Data structures and algorithms, Operation systems, Discrete Mathematics

Awards
· Winner of *Applification* - BITS Goa's Annual National Mobile Application Design Competition
· First Runner up at *Softkriti* - IIT Kanpur's Annual National Project Competition

Technical skills
· Languages: Proficient – C, C++ | Others: Go, Java, Python, Ruby, NodeJS
· Technologies: Distributed Systems, Apache Zookeeper, Amazon S3, Object Store, MySQL, SMB, Rails, Hadoop, MapReduce, Spark, Docker, Kubernetes
· Tools: Vim, Git, Valgrind, GDB, IntelliJ, GoLand, Linux, Wireshark

Experience

Hewlett Packard Enterprise   Software Engineer Intern   Jun 2020 – Sep 2020
· Implemented the feature of pre-downloading of container images for Kubernetes cluster resulting in 20X faster upgrade process.
· Added Kubernetes operator unit test framework for dataplatform component of project Picasso - Kubernetes version of MapR platform

Ryussi Technologies   Member of Technical Staff   May 2016 - Aug 2019
· Implemented Leasing – a type of client-side caching that minimized the network calls by more than 50% and allowed multiple clients to cache the files simultaneously.
· Designed & developed file system agnostic interface over SMB to enable support for distributed file systems like MapR FS, Luster FS, Ceph FS which led to a 70% increase in target customers.
· Eliminated single point of failure by spawning SMB server in cluster mode using Apache Zookeeper which led to 99% high availability.

Projects

Picasso   *Python, Go, Docker, Kubernetes*
· Migration of bash scripts to python scripts of docker containers for better readability & maintenance.

MoSMB - SMB Protocol Stack with object store backend   *C, SMB, VFS, Object Store*
· Developed SMB stack interface for enterprise object store, making retrieval of files 2X faster than a file system.
· Accomplished the implementation of all VFS (Virtual File System) calls over object store using C bindings of XDI (eXtensible Data Interchange) interface.

HelpOut –App for Enhancing Personal Safety   *Android, GCM, Google Maps, NodeJS, MySQL*

· Developed android app which notifies nearby app users of an emergency in their vicinity.