

SUDHARCHITH SONTY

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EXPERIENCE

VERITAS TECHNOLOGIES LLC	SOFTWARE ENGINEER	DEC 2018 – CURRENT
<ul style="list-style-type: none">Engineered and developed the Veritas Optimized Operating System (VxOS) based on RedHat 7.x. Developed feature updates for the VxOS SDK. (Python, Bash, Docker, Ansible).Developed REST/FTP based APIs, as part of a Standalone Firmware Update and Recovery Environment that allowed users to Update/Rollback individual device firmware. (Python, Bash, Docker)Developed REST based plugins and APIs that interact with various hardware components of the appliances and provide the necessary information. (Python, Java, MongoDB)Working on continuous integration pipelines responsible for performance, regression, and functionality testing of production deployment VxOS versions. (Jenkins, Robot).		
LASTLINE INC (VMWARE)	SOFTWARE ENGINEER	OCT 2017 – AUG 2018
<ul style="list-style-type: none">Developed REST based APIs using that would allow for indexing of new kinds of threats and threat indicators. (Python)Worked on a feature update that enabled continuous indexing of the most malicious websites every day. The ratings would be updated for existing entries each day and a new list would be sent out. (Python, Cassandra, Elasticsearch)		
HEALTHEDGE SOFTWARE	ENGINEERING INTERN	AUG 2017 – OCT 2017
<ul style="list-style-type: none">Worked on migration of the Health Edge client software from a Java Swing based client to a Javascript based one. (Javascript)Wrote and monitored load and performance tests using Jmeter and JProfiler.		
COGNIZANT TECHNOLOGY SOLUTIONS	PROGRAMMER ANALYST	JUL 2014 – JUN 2015
<ul style="list-style-type: none">Handled the online banking services backend for a large American financial services firm.Developed and maintained Java based APIs to handle online transactions.		

EDUCATION

University at Buffalo (SUNY)	M.S in Computer Science	August 2015 - June 2017
Osmania University	B.E in Information Technology	October 2010 – June 2014

SKILLS

LANGUAGES AND DATABASES: PYTHON, JAVA, SQL, CASSANDRA, MONGODB, ELASTICSEARCH, BASH

FRAMEWORKS: JENKINS, DOCKER, JUNIT, PYTEST, REST, ANSIBLE, GIT, AWS

PROJECTS

Standalone Firmware Update and Recovery Environment (SURE), *Veritas Technologies LLC*, (Python, Docker, Bash)

- URL:** https://www.veritas.com/content/support/en_US/downloads/update.UPD966809
- Developed REST/FTP, Python based APIs for detecting and updating storage controllers, raid controllers and the BIOS.
- Wrote the Unit testing suite for SURE using the Python unit test libraries.
- Worked on creating and deploying the SURE docker container.

Feature update – Yum Repository Snapshot, *Veritas Technologies LLC*, (Python, Ansible, Docker, Yum)

- Developed a feature for the SDK that would allow users to create a snapshot of existing Red Hat software repositories, as well as other third-party repositories.
- The snapshot freezes all packages contained within the repository along with their specific versions.
- Each Red Hat Enterprise Linux RPM software package contained in the repository could also be updated/removed or completely purged from the repository

Multi-Lingual Twitter Data Search and Retrieval; Semester 1, *University at Buffalo*, (Java, Apache, SOLR)

- Created a Search Engine based around multi-lingual twitter data. (About 1 GB of data collected over a month using the Twitter 4J API). Implemented scoring models like VSM, BM25 on the data.
- Incorporated the SOLR framework for indexing and filtering the tweets.
- Worked on search engine optimization, sentiment analysis, content tagging and multilingual querying.

Data Warehousing and OLAP Operations; Semester 3, *University at Buffalo*, (Java, Python, Hadoop)

- Implemented a Data Warehouse for clinical and genomic data based on the Bio Star Schema that supports regular and statistical OLAP Operations. Wrote several clustering algorithms in Python.
- Performed K-means clustering on a single node Hadoop Map Reduce cluster using Java and implemented several classification algorithms such as, K-NN, Decision Tree, etc.

Distributed Hash Table using Android; Semester 2; *University at Buffalo*, (Java, Android)

- Implemented a peer-to-peer distributed hash table (Chord protocol) in Android with consistency and failure handling. Tested the application across multiple virtual android devices.