

RAHUL VISHWAKARMA

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EXPERIENCE

Dell EMC

Senior Software Quality Engineer

Bangalore, India

Mar 2017 - Present

- Designed System Testing approach for deduplication-based backup system (Data Domain) which reduced number of customer escalation by enforcing system self defense and predictable product behavior
- Developed automation framework for application interoperability and system integration in Python
- Analyzed Data Domain install base (90,000+ systems) using telemetrics data and created an in-house tool for capacity planning and disk failure detection implemented in Tableau
- Handled critical customer escalations in domains of Replication, Cloud Migration and Databases
- Enabled and guided engineers to submit invention disclosures with 100% acceptance rate

Hewlett Packard Enterprise

Systems/Software Engineer II

Bangalore, India

Feb 2015 - Feb 2017

- Developed Red Hat Enterprise Linux and SUSE Linux Enterprise Server modular image for HPE Converged Systems 900 Scale-up/Scale-out as a part of Mission Critical Solutions
- Certified HPE Converged Systems for SAP HANA and performed automation of appliance deployment and upgrade scenarios
- Designed reference architecture for snapshot-based backup of SAP HANA with HPE 3PAR in a scale-up and scale-out deployment
- Configured and managed HPE 3PAR as external storage for ProLiant DL580 and Backup/Recovery from SAP HANA studio using backint with HPE Data Protector

Tata Consultancy Services

Information Technology Analyst

Bangalore, India

Oct 2009 - Feb 2015

- Planned and implemented EMC VMAX business continuity using TimeFinder and Symmetrix Remote Data Facility (SRDF) operations using SYMCLI and Unisphere for VMAX
- Executed and planned configuration tasks like storage provisioning, virtual provisioning, automated storage tiering (FAST), port management and storage allocation using auto-provisioning groups on the VMAX Family of arrays using Solutions Enabler
- Quality assurance of Avamar Virtual Edition on VMware ESXi, vCenter Server (Windows and Linux), vSphere Client and virtual machines; protected (backup and recovery) virtual client, Microsoft applications (Microsoft Exchange, Microsoft SQL) and IBM DB2 with Avamar virtual (data protection suite)
- Contributed in development and maintenance of Automated Collection System (ACS) at CITI Bank N.A as a COBOL Developer

PATENTS

60 Patents Pending at USPTO (2018 - 2021)

Areas: Data Storage, Persistent Memory, DNA Storage, Machine Learning and Blockchain

Milestone Award FY20 - Top Filers across EMEA, APJ and LATAM

CONFERENCES

Ranking based Dynamic Hot Sparing, SNIA SDC, India	Aug 2021
Transforming monolith to microservices, SNIA SDC, India	Aug 2021
Rethinking Blockchain in Storage, SNIA SDC, India	Dec 2020
New perspective on machine learning predictions under uncertainty, SNIA SDC, Santa Clara	Sep 2019
Understanding the reliability of predictions made by machine learning, SNIA SDC, India	May 2019

EDUCATION

SRM Institute of Science and Technology

Bachelors of Technology Computer Science & Engineering GPA: 8.8/10

Chennai, India

Aug 2005 - May 2009

SKILLS

Programming Languages: C (2.5 years), Python (6 years)
Database: SAP HANA (4 years), MongoDB (2 years)

MEMBERSHIP

USENIX

SNIA Storage Blockchain Technical Work Group (founding member)