

AMITH PRAKASH M

Software Development Engineer (Storage)

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Developer with a demonstrated history of working in the information technology and storage industry. Some of the storage concepts I use on a daily basis are, Network-Attached Storage(NAS), SDNAS, NAS Servers, Interfaces, NFS, SMB, Filesystems, Exports and shares.

I am looking to change roles to expose myself to more modern techniques in core storage development, to further enable my learning curve.

I follow Motorsport, Manga (Japanese Comics), Space exploration news and I enjoy learning Ukulele in my free time.

Technologies I've Worked On

Java, RxJava, PHP, SQL, REST, Postgres, Javascript, ReactJS, Shell, GIT, Jenkins

Experience

Dell EMC, Bangalore

Software Engineer 2

Oct 2018 - Present

- Currently, leading the datapath efforts for integration of the software defined NAS into an existing storage system. Also working as the Scrum master for this project. (PowerFlex)
- Understanding the complexity and architecture of the under-development storage systems for the purpose of Integration.
- Was part of the team that's developing a Version-1 of the new-gen storage system. (PowerStore)

Software Engineer 1

Jul 2016 - Sep 2018

- In-market stress testing of Hotfixes and Service packs of legacy products.
- Developing the testing framework to support the integration of products.

Robert Bosch RBEI, Bangalore

Associate Software Engineer

Nov 2015 - June 2016

- Part of the team that worked on Microsoft CRM based projects
- Got to work on a end-to-end project which included requirement gathering and customer demos.

Internship

Jan 2015 - Jul 2015

- Worked on enhancements to an existing Microsoft CRM project

Paladion Networks, Bangalore

Summer Intern

May 2014 - Jul 2014

- Single-handedly developed Knowledge-based search of archived emails including email attachments

Education

National Institute of Technology, Calicut - MCA

Jun 2012 - May 2015

St. Aloysius College- BCA

Jun 2009 - May 2012

Professional Summary :

Dell EMC: Mar '20 – Current: PowerFlex v2

- Finished work on the plan-phase-exit of Software defined NAS, for the upcoming release of PowerFlex.
- Collaboration with multiple geographically located teams, Architectural discussions, Behavioral specifications, Architecture Review boards daily.
- Organized global summit to finalize on the plan-phase-exit.
- Worked on numerous PoC's to understand the feasibility and boundaries for integration work - using vSphere client, Kubernetes, Dockers, Corosync, Pacemaker, Ansible playbooks. Working with the lab team, to help them understand the resource / equipment requirements.
- Ramping up the newly formed team, to kick off the development work. Multiple KT sessions to help the team get up to speed.
- Leading the datapath related efforts which include – HA, NDU, Serviceability, Security, Metrics and Events, etc.
- Scrum master for the SDNAS Integration team, Bangalore, for PowerFlex SDNAS.

Dell EMC: Jul '19 – Mar '20: PowerStore v1

- Responsibilities include, handling bugs, Giving KT's to team members and automating most of the manual work, POC's on various areas such as object limits, memory consumption, recovery procedures.
- Planning phase of features and technical debts, for Version-2 of the product.

Dell EMC: Jan '19 – Jul '19: PowerStore v1

- Product Integration feature development using ReactJS, Redux, RxJava and REST APIs from PostgreSQL. Leveraging on the events framework to increase usability of the system.
- Feature ownership of Filesystem Quotas. This feature would be extensively used by customers to compartmentalize and restrict the storage consumption for their users.
- Bug-triaging, includes doing the RCA and fixing them in parallel with development and planning work.
- Successful in highlighting the unstable components and driving more focus on stabilizing it.

Dell EMC: Mar '18 - Nov '18: Software defined NAS

- Perl scripting to create new test suites for the new storage system and enhance existing ones
- Involved in the development of a testing framework to support product integration testing

Dell EMC: Mar '17 - Feb '18

- Lead for QA stress testing of in-market releases for multiple EMC legacy products, which include VNX, VNX2, VNXe, VNX2e and Unity.
- Involved planning, sizing and brainstorming of new test scenarios, for Hotfixes or Service Packs

Robert Bosch: Jan '15 - Jun '16

- Worked as a Microsoft CRM developer using Javascript, SQL Server and MS CRM
- Involved in requirement gathering, planning and implementation of a CRM project, which would be used by the directors of Bosch to keep track of their ongoing projects
- Internship - Worked on enhancements and developments for an existing project.

Paladion, NITC: May '14 - Jun '14

- Web development and deployment of knowledge-based search engine during my summer internship, using PHP, IMAP, Google APIs, Javascript, HTML, CSS and MySQL.

NITC:

- Web development of a prioritized hall booking system as part of a college project, using PHP, MySQL, and Javascript.