

1029 Upchurch Farm Lane

Cary NC 27519 **AKSHATHA BABURAYA MALLYA** akshatha100@gmail.com

Ph : 865 356 1187

Synopsis:

Strong system programming experience and product development for Virtual/Storage/Embedded Systems.

Experience in storage protocols - SCSI, Cloud, Replication, Virtual Tape, and Virtual Disc.

Experience in Virtualization Technologies - VMWare

Performance characterizing across storage & virtualized systems.

Strong experience in C, Unix Systems Programming & Embedded Systems Design & Simulation.

Test Automation Development in Ruby.

Experience working in an Agile (Scrum) environment playing multiple roles as a Full Stack Engineer.

Strong experience in debugging and resolving customer reported issues.

Experience in development of REST APIs to expose interfaces across core Data Domain products.

Expertise in Unix/Linux Packaging & Deployment (AutoTools, Make, Configure)

Experience in Programming Micro-Controllers (Renesas RX62N, Freescale 56F8023, TI-51C)

User Interface Design Experience for Embedded Systems.

Linux Kernel Configuration / Kernel Module Development for Cross-Compilation

Masters in Embedded Systems & Electronics/Electrical Engineering.

Work Experience:

Dell-EMC (Dell Technologies)

Senior Software Engineer, 10/2016 – 08/2017

Software Engineer July 2013-Oct 2016

Protocol development (Virtual Tape Library & Virtual Disk) for Data Domain Operating System (Linux Based OS).

Developed Design Specifications, Engineered Software Solutions & developed system software (File System, System Management Service, Shell, Remote Procedure Calls (RPC), Multithreading, API Design)

Performance Characterization & improving protocol performance on heterogeneous hardware (DD9500/9800/7200) across multiple Data Domain OS releases.

Developed and extended Application Programmable Interfaces (API) for 3rd party Software to interact with core Data Domain functionality (Retention locks, Long Term Cloud Retention etc) exposed via REST interfaces.

Troubleshoot complex customer reported issues involving all layers of the platform including Memory Management, Hardware, System Performance and low level code smells.

Developed Test Automation Scripts in Ruby in conjunction with feature development as a Full Stack Engineer in a Scrum based agile environment.

Static Code Analysis (Coverity)

Data Domain systems developed in-house integrate across larger solution configurations including Dell/EMC and 3rd party products. The configurations include EMC VMAX, EMC RecoverPoint, EMC Application Agents, EMC eCDM, as well as EMC Networker and IBM Tivoli Storage Manager (TSM) and other products as required.

EMC Corporation (Data Domain)

Software Engineer, 07/2013 – 10/2016

Worked as a developer for developing new features, improvements for Virtual Tape Library (VTL)

Developed Notification framework to alert on system configurations to provide actionable responses for end-users/customers of Data Domain.

Developed Command Line Interface (CLI) extensions to configure various aspects of Virtual Tape Library.

Debugging of customer issues and resolving them to a logical solution

