Sreeram Veluthakkal

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EDUCATION

North Carolina State University, USA
Master of Computer Science**,** graduating in Dec 2017.
Specialized coursework: Architecture of parallel computers, Parallel systems, Adv. data structures
Shiv Nadar University, India
Bachelor of Technology, Computer Science and Engineering**,** May 2015.
Awarded full scholarship for strong academic performance.

WORK EXPERIENCE

Dell EMC, Raleigh, USA May – Aug 2017 *(3 mo.)*
Graduate Intern, Software Engineering

- Developed incremental features in application logic for a crucial internal tool that collects configurations of converged infrastructure products from Cisco, EMC, VMware.
  Stack/Tools: Java, Spring Boot, Maven, Elastic Search, Jenkins, Git
- Reduced time taken by tool to persist data from Cisco UCS configuration collections into elastic search.
- Developed health assessment modules for VXrack ScaleIO SVMs to report on health status.
- Built a custom installer to configure all required dependencies and install latest build of the tool, reducing 1.5 hours of manual effort spent by team per configuration for new user. (~15 hours per sprint)

Dell, Bangalore, India July 2015 - June 2016 *(1 year)*
Software Developer Analyst

- Led and conducted performance engineering efforts in the Dell global order management system (Oracle E-Business suite) and the SOA middleware (Oracle SOA suite - OSB and BPEL).
- Developed a work load modeling software tool using C#/WPF that will reduce the manual effort by ~50 hours per application spent in designing load distribution models for performance tests.
- Certifications/Awards: Neotys Neoload 5.1 Expert Certified

HCL Avitas, Noida, India Jan – June 2015 *(5 mo.)*
Software Developer Intern

- Designed and maintained the patient healthcare database on SQL Server 2012.
- Completed UG thesis on building a data analysis platform to support organizational decision-making.

COURSEWORK PROJECTS

Buffer and recovery management (DBMS, Fall 2016)

- Optimized a buffer management module and recovery management module of a DB in Java.

Bus based cache coherence protocols (Architecture of Parallel Comp., Fall 2016)

- Developed MOSI and MOESI protocols in C++ for cache simulation and analysis of performance.

Key value pseudo device (Operating Systems, Fall 2016)

- A loadable Linux kernel pseudo device that maintains a key-value store in the kernel.

OTHER EXPERIENCE

Google, India August 2013 - November 2014
Google Student Ambassador

- Empower students, faculty with internet and Google apps for education. Liaison to Google/university.

TECHNICAL SKILLS

Programming languages:	C++, Java, Python, SQL
Tools/Libraries:	MPI, OpenMP, Cuda, MapReduce, Jenkins, Git Google Test, IBM Memory Analyzer tool, GDB, WinDbg, Weka, Selenium, Neoload
Networking:	TCP/IP, HTTP, SOAP, Socket Programming
Operating systems:	Linux, Mac OS, Windows