

EMPLOYMENT

Software Engineering Manager	VMware Inc.	Feb 2018 – Present
<ul style="list-style-type: none">• Leading a cross-geo team of 12 backend engineers (entry-level to Staff) delivering hybrid cloud VM availability service.• This service is expected to be available later this year (2020). DRaaS market is \$4.5B (CY20) and growing at a ~15% CAGR.• Delivered microservices that manage APIs for cross site trust establishment, billing & telemetry, protection configuration.• Delivered CI / CD pipelines for a hybrid cloud product comprising of on-premise software and cloud based microservices.• Delivered control plane functionality for VMware's distributed storage system (VSAN) – APIs for VM based snapshot & recovery workflow• Delivered integration with cluster management APIs (cluster monitoring, health, performance, configuration).• Led a team of cross functional tech leads in an effort to pass scale testing at 100%. The team triaged and/or fixed 200+ bugs over a 5 month period. The team won the Business Unit breakthrough award for Quality (awarded once per quarter).• Partnered with peer teams (UX / UI / backend) across 3 different time zones (PST, EST, EET – Eastern Europe)• Scaled the team from 5 to 12 engineers.• Promoted 3 engineers, including a Staff-2 promotion outside the immediate team.• Won the best product booth award (out of 100+ booths) at an R&D-wide internal conference (VMware RADIO 2019).• Tech stack: Java, Python, Concourse (CI/CD), AWS, RDS		
Staff Software Engineer	VMware Inc.	Jun 2016 – Jan 2018
<ul style="list-style-type: none">• Designed and led implementation of sub-systems such as cluster configuration, near-real time stats collection (cluster, node and workload/object level stats) from over 40K objects• Built support for cluster level AuthN (SSO) and AuthZ (RBAC) support• Contributed to sub-systems such as cluster health & monitoring, workflow orchestration across nodes of the system• Tech stack: Java, Python, VSAN (leader based distributed system)		
Senior Software Engineer	VMware Inc.	Jun 2013 – May 2016
<ul style="list-style-type: none">• Contributed to backend functionality for a v1 DRaaS solution for vCloud Air.• Added a generic lock management service on Cassandra leveraging a built in linearizable consistency construct (LWT).• Built server deployment and configuration, build to build upgrade and trust management functionalities for VMware Site Recovery Manager product (releases 4.x and 5.x).• Tech stack: Java, C++, Cassandra, Windows MSI		
Technical Sabbatical, OCTO (Office of the CTO)	VMware Inc.	Jun 2014 – Nov 2014
<ul style="list-style-type: none">• Conceptualized and worked on a research idea – “DR Protection Based on Application Resource Consumption Patterns”• Delivered and demonstrated the prototype to Product team and the CTO.• Research poster on the same topic was presented at VMware RADIO 2014 (~10% research poster acceptance rate)• Patent Issued #9,971,664		
Software Engineer (MTS I, II & III)	VMware Inc.	Dec 2010 – May 2013
<ul style="list-style-type: none">• Developer in the VM management team (vCenter). Contribution include server upgrade, server patching, diagnostic pre-upgrade tools, customer escalations etc.		
MTS Intern	VMware Inc.	May 2007 – Nov 2007
<ul style="list-style-type: none">• Prototype redesign of vCenter server upgrade and parts of vCenter server deployment workflows		
Research Assistant	University of Florida	Aug 2005 – May 2007
<ul style="list-style-type: none">• Designed, developed and maintained a JESS based expert system for the agricultural department		

EDUCATION

M.S in Computer Science	University of Florida (Gainesville, FL)	Aug 2005 – Dec 2007
<ul style="list-style-type: none">• GPA: 3.8• Courses: Algorithms and Data structures, Database Systems, Compilers, Data Mining, OS, Rule based systems		
B.S in Computer Science	Anna University (Chennai, India)	Aug 2001 – May 2005
<ul style="list-style-type: none">• GPA: 81/100 (percentage system)• Courses: Computer Networking, OS, Microprocessors, Probability & Queuing Theory, Computer Graphics, AI		