

SATYA DILLIKAR

Technical Leader
-Software Engineering
& Development

Contact

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Skills

Microservices, RESTful APIs,
SaaS

Very Good

LXC Containers, Dockers,
Kubernetes

Very Good

VMware vSphere, NSX-T,
Tanzu

Very Good

Distributed Systems & Design

Very Good

Public clouds - AWS & GCP

Good

Java, Angular, React,

Hands-on Software Architect with extensive experience developing and delivering distributed enterprise-class mission critical software applications. Purpose-driven professional active in engaging, training and mentoring others. Innovative, results-oriented leader highly effective at creating software architectures, roadmap and designs. Critical thinker with customer focus, vision, expertise and planning for complex technical initiatives. Demonstrates agile practices, test-driven development and continuous delivery. Works in a highly collaborative fashion with global teams.

Work History

2017-06 -
Current

Solutions/Senior Software Architect

VMware, Palo Alto, CA

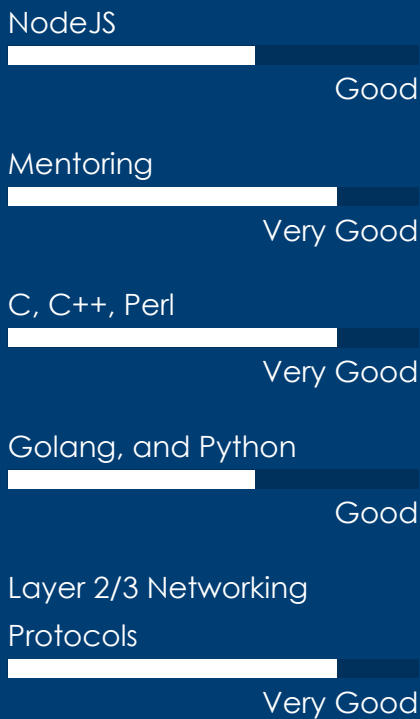
- Created multiple VMware Partner Certification use cases for VMware NSX-v/NSX-T network virtualization products, and successfully integrated the number of Partners solutions & lists on VMware Compatibility Guide (VCG)
- Transformed Partner Products/Solutions Certification from On-Prem to the Cloud & as a SaaS offering. In this journey, reducing Partners resources investments from 6 months to a few hours
- Architected Continuous Validation Pipeline in cloud for ISV Partners Kubernetes-based Solutions. Complete autonomous Validation self-service for ISV Partners to publish Modern Apps on VMware Marketplace
- Active contributor for open-source Bitnami project Kubeapps. Kubeapps is a web-based Kubernetes App for deploying and managing applications in Kubernetes clusters.

2016-02 -
2017-06

Principal Software Engineer

Brocade Communications, San Jose, CA

- Design and develop advanced Control Plane applications like Dual-Homing (MCT – Multi-Chassis Trunk), BGP/EVPN Control Plane, VPLS & High Availability Solutions for Brocade SLX-OS (fully virtualized next-generation Linux-based operating system). These flagship features helped increase



Accomplishments

- VMware VES Award
- Motorola BRAVO award & PATENT for new P2MP CSPF Algorithm.
- Broadcom "Excellent Technical Leadership" Award
- Gold Medalist in B.Tech

2013-09 -
2016-02

Principal Software Engineer

Ciena Corp, San Jose, CA

- Designed and developed advanced Ethernet features like Flexible VLAN Tag manipulations on PE (Provider Edge) Nodes; IP and MPLS High Availability using Graceful-Restart Protocols for Ciena's service-aware Operating System (SAOS) for Packet Networking and Converged Packet Optical platforms
- MPLS Tunnels & L2VPN /Pseudowire Scale Improvements from few hundred to 8000+. This helped to migrate several customers from legacy tunneling technologies to MPLS Core.

2010-05 -
2013-09

Technical Leader

Cisco Systems, Inc., San Jose, CA

- Designed and developed advanced Ethernet features like virtual port-channeling Virtual Port-Channelling(vPC) for Nexus OS for Data Center Product Line (N7000)
- Improved vPC Scale to 512 vPCs & achieved zero traffic loss convergence on various point failures
- Design and develop Open-Flow and Cisco ONE-P applications on Nexus OS (N3000). Developed custom SDN-based solution to deploy as Infrastructure-as-a-Service.

2004-12 -
2010-05

Sr. Staff Engineer

Broadcom, Raleigh, NC

- Designed and developed user-space applications for entire **L3-Multicast Routing Protocols Suite**, i.e., IETF Drafts/RFC (PIM-SM, PIM-DM, IGMP, MLD) for LVL7 Protocol Stack from ground-up.
- Build systems using LVL7 Protocols, Stack & Broadcom ASICs for Systems Integrations Customers like DELL, NETGEAR, and DLINK.

Additional Experiences

Software Development Engineering roles at LVL7 Systems, Netplane Systems, Motorola, Cisco Systems, INDIA.

Education

1998-06 - 1999-12	M.Tech: Computer Science & Engineering <i>INDIAN INSTITUTE of TECHNOLOGY, IIT - Madras, India</i>
1994-04 - 1998-04	B.Tech: Computer Science & Engineering <i>Osmania University - Hyderabad, India</i>

Relevant Experiences

Technical Paper: VMware cloud-hosted environment for developers and partners

Technical Paper: Partner Enablement and Certification Validation Services on VMware Cloud on AWS

Technical Paper: Efficient and Cost-effective Modern Apps (with Kubernetes) CI/CD pipeline approach for Partner Ecosystem SaaS Services

Revenue generating iOS/Android Mobile Community App

An IoT application to remotely control a switch from a Mobile App.