Rajesh Vasudevan Sreekumary

Sr. Leader/Technical Solutions Architect

CISCO CERTIFIED
CCIE
20 YEARS

Profile

Innovator - Transformer – Imagineer

I spearhead transformative "Bluesky" initiatives that encompass a wide range of technologies, including machine learning, artificial intelligence, programmability, automation, networking, compute, cloud, data center, and security. Over the years, I've created numerous prototypes and concepts, many of which have been adopted on a company-wide scale.

With 25 years of expertise, I specialize in the design and validation of network systems and software, contributing to both internal and customer facing projects. I design and develop the demo and testing methodologies for complex cross-architecture solutions, catering specifically to our sales force. As a seasoned 20-year CCIE, I currently drive the ML/AI strategy for global demo engineering at Cisco.

Beyond my professional endeavors, I indulge in vintage and embedded electronics as a hobby, and I hold a license as an amateur radio operator. I also contribute to Wikis as part of my interests.

Recent Successes

- Developed a prototype chatbot using LLM RAG for customer interaction with Cisco's demo content catalog.
- Formulated and led the Demo as a Code (DaaC) initiative, constructing fully cloud-native solution demonstrations with Terraform/AWS (and other CSPs).
- Conceived and established Cisco's inaugural cross-architecture Incubation Center.
- Serving as the Lead Architect for Cisco's annual keynote company technical strategy demonstration to the global Cisco Sales Engineering community.
- Designed and implemented the initial cross-architecture solution demonstration environment for Cisco HQ Executive Briefing Center.
- Engineered and implemented the pioneering cloud-integrated dynamic lab infrastructure utilized for proof-of-concept demonstrations.
- Devised a solution for provisioning network infrastructure using Smartsheets.
- Led consultation efforts for demo methodologies across the broader global sales engineering organization.

In Progress

- Establishing the catalog for Cisco's ML/AI portfolio demonstrations.
- Investigating large-scale AI network fabric testing, validation, and proof-of-concept.
- Spearheading the integration of AI tooling and fostering adoption within the demo engineering organization.

Contact

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Lazy Electrons

Skills

- Cisco Certified Internetwork Expert (CCIE #10860, 21 years)
- Terraform, Python
- Machine Learning
- LLMs
- Unix/Linux
- SASE
- Network Security
- IaaS, IaaC (AWS/Azure/GCP)
- Containers Enterprise/Campus/Datacenter Networking
- SD-WAN
- Embedded Electronics

Hobbies

- Electronics
- Amateur Radio

Professional experience

Leader/Senior Solutions Architect

present ↑ July 2017

Cisco, San Jose, CA

- Spearheading strategic engineering initiatives centered on innovation and incubation across both technical and business initiatives, resulting in the successful delivery of over 12 projects/prototypes within a span of 6 years.
- Steering cross-architecture and cross-product integration testing, incubation, and managing the demonstration facility located at Cisco HQ.
- Architecting and developing a comprehensive cross-architecture solution demonstration for the Executive Briefing Center, influencing multi-million dollar revenue every year.

Senior Technical Projects Systems Engineer

June 2017 ↑ June 2010

Cisco, Bangalore, India

- Led the operation of a strategic customer-facing sales design validation lab, wielding an annual revenue influence of approximately $50 million while directly engaging with the regional sales team.
- Incubated and pioneered innovative services, delivery models, and new product integration and validation processes that were globally adopted and resulting in an 80% expansion of virtual customer engagements.
- Conceptualized and constructed a 136-rack sales design validation lab, accommodating Cisco's complete portfolio.
- Served as the Software Architect for a global lab management tool, introducing 15 new features, including power automation, leading to a significant 40% reduction in annual power consumption.

Technical Projects Systems Engineer

June 2010 ↑ Sept 2005

Cisco, Bangalore, India

- Lead Engineer responsible for designing, conducting performance testing, and validating service provider, enterprise, and security architectures in large, complex, and strategic deals.

TAC Escalation Engineer

Aug 2005 ↑ Mar 2003

Cisco, Bangalore/Delhi, India

Senior Network Engineer

Feb 2003 ↑ Nov 1997

Network Systems and Technologies, Trivandrum, India

Customer Support Engineer

June 1997 ↑ May 1995

HCL Hewlett Packard, Mumbai, India

Education/Certifications

Certificate Course: Machine Learning

Sept 2023 ↑ Mar 2023

Coursera/DeepLearning.AI

Courses
- Supervised Machine Learning: Regression and Classification
- Unsupervised Learning, Recommendation Systems and Reinforcement Learning
- Generative AI with Large Language Models

Certificate Course: Astronomy and Astrophysics

Mar 2016 ↑ Nov 2015

M.P. Birla Institute of Fundamental Research, Bangalore, India

Achievements:
- Dissertation: "Astro-photonics, Space Photonics and Interplanetary Internet."

Diploma in Electronics Engineering

July 1995 ↑ June 1992

Central Polytechnic College, Trivandrum, India

Achievements:
- Awarded State Rank 1