



# Sayan Saha

**Date of birth:** 21/08/1986 **Nationality:** Indian

**Address:** SNN Raj Serenity, Begur, Bengaluru 560068, India

**Phone:** +91 9663884091 **Email:** sayan.saha911@gmail.com

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## Who Am I

A proactive, self-motivated, passionate technologist and engineer with 10+ years of experience in Virtualization Technologies, Server Operating Systems, Cloud Computing, Infrastructure Automation and DevOps. Proficient in architecting, automating and optimizing mission critical deployments at scale and a team player with good interpersonal skills. A technology aficionado and a DevOps evangelist who likes to embrace new and evolving technologies.

Looking for a job where I could encounter challenging and dynamic tasks individually and as a team, get opportunities to work on ground breaking, emerging technologies and in a progressive work environment which has moved past monolithic architecture.

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## The Experience I Bring

08/2018 – present  
Bengaluru, India

### Senior Site Reliability Engineer Unisys

Current Role as Senior Site Reliability Engineer in Unisys Research and Development from August, 2018:

- Part of a small team managing Site Reliability Engineering function to oversee a seamless pipeline from development to SaaS platform.
- Design, deploy and manage multi-cluster Kubernetes on prem and on various public cloud providers.
- On-Prem: IaaS with VMware vSphere, VM orchestration with Cisco UCS Director, Container Orchestration with Kubernetes and multi-cluster Kubernetes orchestration with Rancher.
- On Public Cloud: IaaS on AWS and Azure, EC2 Kubernetes Cluster and EKS fully managed Kubernetes service, Rancher for multi-cluster orchestration.
- AWS services used: EC2, Security Groups, VPC, VPG, VPN, ELB, S3, EKS, Route 53.
- Kubernetes deployments used: Kubeadm, Rancher RKE, EKS and Terraform.
- Centralized logging with EFK, Service Mesh with Istio, Centralized Monitoring with Prometheus and Grafana, Secret Management with Vault/Consul and Helm Charts/Docker Image private repository on Harbor.
- VCS with Bitbucket.
- Scripting with shell and powershell.
- IaC with Ansible and Terraform.
- Continuous Integration with Jenkins.
- Server OS used Ubuntu, RHEL and Windows
- Keeping up to date with emerging technologies, researching and testing feasible products in Sandbox environments.
- Working in Agile methodologies with Jira for project and incident management.
- Working in Sprints to achieve project deliverables, participate in sprint reviews with stakeholders and retrospective calls as a part of that.
- Impart training and hosting virtual tech talks within the organization to educate interested parties about DevOps and SRE practices and tools.

01/2017 – 08/2018  
Bengaluru, India

### Cloud DevOps Administrator Unisys

- Part of a team managing Unisys internal Datacenter which consists of 50+ physical server and 1000+ virtual servers.
- Working in a DevOps environment, very closely with developers and programmers

understanding their requirement and consulting infrastructure solutions and support based on requirement.

- Managing a Hybrid Cloud environment with Cisco UCS Director and AWS.
- Working on designing, deploying and managing vSphere environment with vCenter 6.5, ESXi 6.5, HA, vMotion, DRS etc. and related issues.
- Designing, deploying and managing a 10 node EC2 Kubernetes cluster with Flannel for networking, Rancher for deployment/orchestration, Prometheus and Grafana for POD/Deployment/Microservices health monitoring, S3 for PV.
- In Rancher, manage project and namespace level access for developers and programmers, persistent volume management, catalog management etc.
- Expert in Powershell automation scripting with Vmware, Windows and have basic knowledge of AWS Powershell

10/2015 – 01/2017  
Bengaluru, India

### **Windows and Vmware Administrator Unisys**

- Worked extensively Windows Server and Client OS, management and troubleshooting.
- Working on Nutanix Hyper converged boxes and Dell Blade servers with Vmware installed.
- Managing SCOM including creating new monitors, editing threshold of existing monitors, setting overrides, agent and agentless monitoring setup.
- Managing and troubleshooting VMware and Hyper-V environments and related VMs and templates.
- Working on access management with AD and working on DNS and DHCP issues.
- Perform incident trending, Create and work on Proactive problem records
- Working on ITSM and Service Now Incidents.
- Working on and perfecting SOPs to ensure service is delivered consistently every time.

08/2011 – 10/2015  
Bengaluru, India

### **IT Operations Analyst Accenture**

Project 2: Worked in this project from September, 2013 to October, 2015.

- Part of a team managing Accenture production environment which consisted of 250+ physical servers and 1500+ virtual servers in a distributed and highly available critical datacenter.
- Installation and troubleshooting, monitoring and maintaining Virtual Servers in VMWare ESXi Hosts.
- Hands on experience on ESXi 5.5 Hosts installation, configuration and upgrade.
- Exposure to vMotion, High Availability and Distributed Resource Scheduler (DRS) features.
- Managing/Troubleshooting Windows 2008 and 2012 Servers.
- Implementing Change Requests raised by Client and remediating Client/ System generated Incidents.

Project 1: Worked in this project from 2011 to 2013.

- Application and IT Operations Support for Hilton Worldwide Hotels.
- Worked on Networking, Administration of Microsoft Windows Server 2003 and 2008, Active Directory, Basics of SQL, Desktop Administration on Client OS such as Windows XP and Windows 7.
- Worked on the ticketing tool called BMC Remedy.

02/2010 – 08/2011  
Kolkata, India

### **Senior Technical Associate Wipro BPO**

- Associated with extensive desktop and printer troubleshooting over the phone with customers for Level 1 and logging and escalating cases for other issues.
- Desktop troubleshooting included Hardware Troubleshooting, Networking concepts to establish wireless connectivity between various devices.
- Working on a customer facing role to build a healthy relationship.

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## My Qualification

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07/2006 – 12/2009  
Kolkata, India

### Aircraft Maintenance Engineering Air Technical Training Institute

Studied Aircraft Maintenance engineering with a major in Light weight Piston Engine Aircraft

04/2004 – 04/2005  
Kolkata, India

### Physics, Chemistry and Mathematics Methodist School

Passed ISC 12th Exam with 70% score

04/2002 – 04/2003  
Kolkata, India

### Science Methodist School

Passed ICSE 10th Exam with 80% score

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## Skills

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### – PERSONAL QUALITIES

Motivated



Lead responsibility



Passioned



Team player



### – DEVOPS TOOLS

Containers



Cloud Computing



Server Virtualization



Scripting



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## Achievements I am Proud Of

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- **Automated** multiple infrastructure activities like cross-cluster DRS, Archival and Decommissioning of VMs, Compliance scanning environment etc and have won multiple recognitions for the same.
- **DevOps Consultant** for teams and projects to setup and start their cloud and application containerization journey.
- **Imparted trainings** and organization level tech talks to spread the good word of DevOps and SRE technology, practices and related tools.

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## A Few Awards Worth Mentioning

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03/2018

### Spot Award Unisys

For successfully implementing multiple infrastructure automation projects

10/2013

### Customer Centricity Award Accenture

Received a valuable award and recognition from the client (Hilton Worldwide Hotels) for the best customer satisfaction ratings.

04/2013

### Monthly Award Accenture

For mentoring a team of freshers and getting them started on their deliverables on time and with excellent result.

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## My Proven Skill Sets

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10/2020

### **AWS Certified Solutions Architect - Associate Amazon Web Services (AWS)**

This online exam effectively demonstrate knowledge of how to architect and deploy secure and robust applications on AWS technologies

06/2020

### **CKA: Certified Kubernetes Administrator The Linux Foundation**

This online exam consists of a set of performance-based problems/issues to be solved in a realtime command line environment. Cleared this certification with a 100% score

09/2020

### **Certified Rancher Operator: Level One Rancher Labs**

05/2020

### **Site Reliability Engineering Foundation<sup>SM</sup> DevOps Institute**

Site Reliability Engineering (SRE) Foundation<sup>SM</sup> is a certification from DevOps Institute. The purpose of this certification and its associated course is to impart, test and validate knowledge of SRE basic vocabulary, principles and practices.

03/2019

### **VMware Certified Professional – Data Center Virtualization 2019 VMware**

02/2019

### **AWS Certified Cloud Practitioner Amazon Web Services (AWS)**

06/2014

### **Microsoft Certified IT Professional: Windows Server 2012 Microsoft**

08/2013

### **ITIL Foundation Level ITIL Certified**

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## This Is How My Avg Day Looks Like

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Coding and  
Automation



Support and  
Administration



Learning and  
Testing New Tools



Documentation



Family and  
Friends Time



Personal Time for  
Hobbies

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## My Life Outside of Work

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Travelling



Cooking



Gaming



World Cinema



Technology



Photography