**Sankara Narayana Moorthy Ayyadurai**

**SR. PLATFORM ARCHITECT**

Extensive years of experience in designing and building resilient non-prod and production platforms, including experience as a lead in designing, building, automating platform as a service with DevOps culture. Possess deep knowledge of OpenShift, Confluent Kafka, TIBCO EMS as well as designing, building and automating OpenShift clusters using Terraform and GitOps. Able to troubleshoot enterprise applications end-to-end and conduct root cause analysis. Proficient in leading incident management and post-mortems for outage. Experienced in SDLC and Agile.

**COMPETENCIES**

Process Improvement | Team Collaboration | Business Processes

New Business Development | Installation and Configuration | Project Management

**TECHNICAL SKILLS**

**Software:** OpenShift | Confluent Kafka | AWS MSK | AWS EKS | TIBCO EMS | GIT | JIRA | Ansible | Jenkins | Argo-CD | Terraform | Prometheus | Grafana | Docker | K8s | lenses | New Relic | RabbitMQ | Puppet | Mule | TIBCO BW & ADB | WebSphere | Service Now | Aqua sec.

**Scripting:** Shell | Perl | Python.

**CERTIFICATIONS**

AWS Certified Security-Specialty in 2021 | AWS Certified Cloud Practitioner in 2021

Certified SAFe 4 Product Owner/Product Manager in 2019 | Mule Certified Developer in 2017

RHEL4 RedHat Certified Engineer in 2006 | Cisco’s Security Ninja.

**Others:** Certified SAFe 4 Product Owner/Manager | Agile | AWS Cloud Certifications | ITIL | Platform as a Service.

**PROFESSIONAL EXPERIENCE**

**First Republic Bank** San Francisco, California, USA **Sep 2019-till now**

**Senior Platform Engineer**

Built Confluent Kafka, RedHat OpenShift, AWS MSK and AWS EKS platform and make it available for application developers through self-service model.

**Product:** Red Hat OpenShift, Confluent Kafka, Terraform, AWS MSK, AWS EKS, Argo-CD, Ansible, Git, JIRA, Prometheus, Grafana, Lenses, NewRelic, AquaSec.

* Designed and built Confluent Kafka Platform at on-premises to support bank’s data flow. This includes bank customers deposit, withdrawal, balance check etc.,
* Automated the Kafka topics, acts provisioning thru Service-Now Catalog which helped the users to get their topics and ACLs in self-service model without platform team dependency.
* Designed and built OpenShift Platform 4.x at on-premises & migrated the micro services from OpenShift 3.9 to OpenShift 4x.
* Automated the OpenShift project provisioning thru Service-Now catalog.
* This platform supports hundreds of namespaces and thousands of micro services.
* Designed, built and upgraded AWS MSK, AWS EKS and OpenShift clusters using Terraform in AWS Cloud.
* AWS MSK was built to support the external partners to reach internal Kafka clusters and AWS OpenShift clusters were built to migrate the micro services from on-prem to AWS Cloud.
* Used Jenkins and DevKit tools for CI/CD. When users face issues, jump into the call and ensure that their issues get resolved and no delay for the deployments.
* Used Ansible, bash scripts as required to automate platform related day to day activities.
* Automated OpenShift cluster day-2 build activities using GitOps/Argo-CD which pulls the code from GIT and apply it in the cluster.
* Played as a product manager for Kafka & OpenShift products to deliver the platform for our business.
* Trained the team to adopt agile approach.
* Built dashboard for our team in JIRA to track our requirements and deliverables.
* Periodically analyzed the platform capacity and planned to add more capacity as required.
* It’s very important that we don’t run out of the capacity and face any issues for new application getting on-boarded as well as running application.
* Created technical documents for our platform support team so that they can support the platform after release.
* Created best practices documents for both platform and application teams which helped the teams to avoid technical dept.
* As a lead and SME, participated in supporting priority issues and helped team members.

**Cisco Systems Inc.** San Jose, California, USA **May 2014-Sep 2019**

**Senior SRE**

Designed and built Puppet, Kafka platforms and made it available for the users through self-service model. Re-designed the TIBCO EMS messaging platform and automated Disaster Recovery and Multiple Virtual Datacenter failover solution. Provided on-call support.

**Product:** Puppet, Confluent Kafka, TIBCO EMS, OpenShift, Git, JIRA, Service-Now, Mule, Layer7

Led Kafka, Opensource Puppet and TIBCO EMS platforms architecture and self-service tool design and implementation.

TIBCO EMS platform was heavily used at enterprise level. Its a critical platform through which all financial transactions happen.

Confluent Kafka platform was built and heavily used by data platform team and engineering team.

It was designed and built to support hundreds of topics and thousands of partitions.

Created many tools (bash scripts) to manage the Platform services on a safer manner

TIBCO EMS platform Disaster Recovery and Multiple Virtual Datacentre failover activities.

As a product manager, managed product backlog for our platforms.

Periodically analyzed the platform capacity and planned to add more capacity as required.

It’s very important that we don’t run out of the capacity and face any issues for new application getting on-boarded as well as running application.

Created technical documents for our platform support team so that they can support the platform after release.

Created best practices documents for both platform and application teams which helped the teams to avoid technical dept.

As a lead and SME, participated in supporting priority issues and helped team members.

**Wipro Ltd.** Bengaluru, Karnataka, India  **Jan 2007-May 2014**

**Project Lead**

Technical and project lead for a team of 10+ members. Providing support services across multiple technologies.

**Client:** Cisco

**Product:** TIBCO BW, ADB, EMS, Web-Service Gateway, WebSphere, FTP, Documentum, Microsoft Office

* Managed all tracks and handled technical and resource challenges.
* Communicated with project stakeholders.
* Led planning and execution of platform upgrades & datacentre cutover.
* Led TIBCO EMS queue & topic as a service automation.
* Developed shell/Perl scripts.
* Provided on call support for priority issues.
* Led for off-site development centre movement.

**Crown Solutions India Pvt Ltd.** Chennai, Tamil Nadu, India  **Aug 2006-Jan 2007**

**Software Engineer**

Software Engineer providing consulting services to Wipro. During this time, worked on creating and managing the JVMs in WebSphere application server and supporting webserver & FTP related activities.

**Client:** Wipro

**Product:** RHEL, WebSphere, FTP

* Created JVMs in WebSphere app server running in RHEL OS.
* Provided support related to WebSphere JVM setup in RHEL OS.
* Created FTP accounts and provided access to users.
* Created DTDS (Document Transfer and Data Distribution) account.
* Supported issues related to Software File Publishing (SFP).
* Configured e-mail notification alerts for file creation/modification.

**P. B. College of Engineering**, Chennai, Tamil Nadu, India **Dec 2003-Aug 2006**

**System Administrator**

Functioned as a system administration setting up and managing a lab. Also responsible for activities like deploying and managing web server and FTP server for lab users.

**Product:** RHEL OS, Microsoft OS

* Installed, configured, and maintained Linux & Windows Operating System.
* Configured and maintained Active Directory.
* Installed required software as per requirement in Windows OS.
* Installed, configured and maintained web server, mail server, NIS, NFS, DNS, FTP on LINUX OS.
* Assembled new computers, designed, and implemented new lab with 80+ computers.

**EDUCATION**

**M.Sc., in Computer Science and Information Technology**

S.R.N.M College, Sattur, Tamil Nadu, India

**B.Sc., Computer Science**

S.R.N.M College, Sattur, Tamil Nadu, India