**Sowmya Gummadi**

**Gmail: gummadisowmya67@gmail.com**

**Phone: (980)-444-2490**

**Professional Summary:**

* **Over 8+** years hands on experience as **Middleware** **Administrator** in both **Development** and **Production** stages. Handling all the aspects of **Installation**, **Configuration**, **Troubleshooting**, **Load Balancing**, **Clustering**, **Deploying** Applications, Performance Tuning and Maintenance of **Ping Federate**, **PingAccess**, **Okta**, **OAG**, CA **SiteMinder**, WebLogic Server versions 7.x/8.x/9.x/10.x and IBM WebSphere Application Server versions 5.x/6.x/7.x
* Extensive experience in PingFederate, PingAccess, PingID and Pingone, P14C, Okta, OAG.
* Working experience in Integrating with **WebSphere Application Server** driven Portal along with **CA SiteMinder** as Identity Provider and External 3rd Party services as Service Providers.
* Implemented and customized **ForgeRock** Identity Platform solutions tailored to clients' specific needs.
* Conducted **ForgeRock** product demonstrations and training sessions for clients, ensuring seamless adoption and user understanding.
* Successfully integrated **ForgeRock** Identity Gateway with clients' existing LDAP systems, enhancing security and user experience.
* Experience in Implementation of Security Management tools in an enterprise-wide Applications achieving **AAA: - Authentication, Authorization and Accountability.**
* Experience in implementation of standards to achieve [**Confidentiality, Integrity and Availability (CIA).**](http://en.wikipedia.org/wiki/Confidentiality)
* Strong experience on **Single Sign-on administration**, **LDAP** configuration/administration, **BEA** **WebLogic, IBM WebSphere**, **UNIX** (all flavors), scripting, Web Servers (IIS, Apache, Iplanet, Lotus Domino), Architecture knowledge.
* Working Knowledge in analyzing the logs (**trace logs, logs**) and Trouble Shooting issues in Integration of other applications using **PingFederate, PingAccess, Okta.**
* Working experience in implementing **the SAML based Single Sign-on (SSO) and Single Log-Out (SLO)** involving services with Ping federate, CA Federation manager, Okta.
* Expertise in working with web servers –**IHS (IBM HTTP Server), Sun One Web server, IIS and Apache Web servers and configurations.**
* Experience in working with different operating systems Windows**98/NT/2000/XP**, **UNIX**, **AIX**,**LINUX**.
* Experience in using **Unix/Linux utilities for analyzing logs, and trouble-shooting the applications with Application servers and Security/Identity management servers**.
* Possess Excellent Communication, Interpersonal and analytical Skills along with can-do attitude and a good team player.

**Education:**

* **Master’s in information studies (TRINE UNIVERSITY- May 2017**)
* **Bachelor’s in computer science (Acharya Nagarjuna University- May 2014**)

**Technical Skills:**

|  |  |
| --- | --- |
| Web Technologies | XML, XSL, HTML, DHTML. |
| Application/Web servers | **WebSphere 5.x/6.x/7.x, WebLogic 8.1**/9.x, IBM HTTP Server, Tomcat 5.0, Apache, Microsoft IIS, iPlanet |
| Operating Systems | Windows, UNIX, AIX, LINUX, Sun Solaris. |
| Access Management and Security-Configuration Tools | PingFederate, Ping ID, Pingone, P14C, Okta, OAG, Duo, Okta Verify, CyberArk, CA SiteMinder 6.x, Forgerock,12.x (Policy Server, Web-Agent, Affiliate agents), Sun-One LDAP, IDM, Authminder |
| Networking | TCP/IP Suite, UDP, Telnet, DNS, POP, SMTP, FTP, HTTP, NIS, NFS, JNDI, JMS |
| Tools | TOAD, OpenSSL, Apache directory Studio, Fiddler, WinSCP, Wireshark, Kibana, Splunk, One view, Nagios, Radiant Logic |

**Professional Experience:**

**Sr.IAM Engineer/ ForgeRock Engineer**

**Client: US BANK, Minneapolis** **April 2020- Present**

**Project Description:**

U.S. Bank is dedicated to providing top-tier financial services while upholding the highest standards of security and compliance. In our continuous commitment to safeguarding our clients' data and improving user experiences, we are embarking on a significant project to enhance our Identity and Access Management (IAM) system.

**Project Overview:**

The "ForgeRock Identity and Access Management Enhancement" project aims to strengthen IAM capabilities by leveraging ForgeRock's cutting-edge solutions. This project represents a strategic investment in enhancing the security, efficiency, and scalability of our IAM infrastructure. As a Senior IAM Engineer, I played a pivotal role in the successful execution of this project.

**Responsibilities**:

* Currently working as an Sr. IAM Engineer in IAM team responsible to maintain Access management, Identity management, and Privilege management of our workforce.
* Implemented different use cases depend on client requirements.
* Implemented SSO for many applications with PingFederate.
* Configured MFA for different use cases for external applications depending on the CIDR rules.
* Implemented SSO with radius clients using PingFederate.
* Implemented Kerberos, IWA authentication with PingFederate for seamless user experience.
* Upgraded PingFederate multiple times.
* Tuned the PingFederate environment after doing load testing and analyzing the load with the resources we have for resiliency and high availability.
* issues related to ForgeRock components, ensuring system stability.
* Optimized ForgeRock configurations for improved performance.
* The design and implementation of ForgeRock Identity Gateway for seamless integration with client applications.
* Developed custom authentication modules to enhance security and user experience.
* Implemented role-based access control (RBAC) policies using ForgeRock Authorization Modules.
* Implemented IDP-initiated and SP- initiated SSO using different authentication methods in PingFederate.
* Implemented SSO with Salesforce for a B2B use case with Ping connector for auto-provisioning into Salesforce.
* Implemented SSO for B2C using Oauth2.0 and onboarded multiple applications.
* Experience in designing and implementing migration from SiteMinder environment to ForgeRock OpenAM environment.
* Experience on various ForgeRock OpenDJ migrations from Oracle or CA Directory successfully.
* Extensive knowledge in building and configuring various LDAP products like Oracle ODSEE/ForgeRock OpenDJ/Ping Directory/CA Directory/RedHat LDAP according to requirement.
* Experience in setting up ForgeRock OpenIG & OpenIDM to syncup the data between various data sources.
* Expert Knowledge and practical experience with Identity Federation concepts such as SAML, OAuth, OpenID Connect, experience with integrating authentication for internal & partner applications with Federation services and single sign on.
* experience with Cloud Identity as a Service such as Microsoft Azure Active Directory, Identity Federation protocols such as SAML2, WS-Federation, OAuth, OpenID Connect
* Configured SQL data base for Oauth Grant store for persistent grants.
* Configured Authentication policies, Selectors and Policy Contracts for OAuth2.0 use cases.
* Led the implementation and configuration of Radiant Logic's Identity Integration Platform to streamline user identity management processes.
* Provided technical support and training to end-users and team members on Radiant Logic's IAM solutions.
* Implemented role-based access control (RBAC) policies using Radiant Logic, enhancing system security and reducing unauthorized access..
* Familiar with User Administration and Provisioning, Identity and Access Governance, and Identity Governance and Administration concept.
* Hands-on experience supporting Oracle Identity Governance suite products.
* Worked on various grant types like Implicit, client credentials, Authorization code, and Refresh token.
* Performed DR exercise multiple times on PingFed environments.
* Got cross trained in SailPoint IDN and supported oncall using sql.
* Worked on providing senior level Active Directory Support
* Customized and optimized SailPoint workflows to align with organizational requirements.
* Collaborated with IT teams to troubleshoot and resolve issues related to SailPoint implementation.
* Contributed to the development of access control policies, leveraging SailPoint features to enforce security measures.
* Involved in onboarding accounts in CyberArk, remediate safe permission issues, fixing user authentication methods.
* Involved in meetings with partners to understand their requirements and implement SSO with SAML 2.0 and given ideas from architectural view.
* Fixed many issues related to PingFederate and documented the Root cause analysis.
* Supported infrastructure Single Sign-On (SSO) architecture in development, test and Production environments.
* Involved in Design and building ForgeRock Open AM & OpenJDK environments from scratch as part of migration from SiteMinder infrastructure for B2B & B2E portals.
* Python for Lambda driven solutions.
* Created and enforced IAM policies to manage user access to AWS resources, ensuring principle of least privilege and secure data handling.
* Designed and managed IAM roles for various AWS services and applications, enabling seamless collaboration between development, operations, and business teams.
* Involved in planning and implementing migration from SiteMinder to ForgeRock Open AM environment for various portals.
* Worked with various application teams to migrate from SiteMinder Web Agent to ForgeRock Web Agent for various portals successfully.
* Implemented and managed Single Sign-On (SSO) solutions for multiple applications, enhancing user experience and reducing login complexities.
* Led the implementation of SSO for cloud-based services, enabling secure access to resources while ensuring compliance with industry standards and best practices
* Worked on setting up ForgeRock J2EE Agents on various application servers like Tomcat/IIS.
* Collaborated with clients to gather requirements, conducted workshops, and provided expert guidance on best practices for ForgeRock tree design and optimization.
* Conducted code reviews, performance optimizations, and troubleshooting sessions to identify and resolve issues within existing ForgeRock tree implementations.
* Designed and implemented ForgeRock tree structures tailored to meet specific client requirements, ensuring seamless user authentication and authorization processes.
* Conducted regular analysis of security logs and events using Yara rules to identify and respond to potential security incidents.
* Designed and implemented robust .NET applications, contributing to [mention specific projects or achievements.
* Led the design and implementation of IAM solutions using Groovy scripting to automate access provisioning, de-provisioning, and role management.
* Developed custom scripts to integrate IAM systems with third-party applications, improving overall system efficiency and reducing manual intervention.
* Collaborated with cross-functional teams to define and enforce security policies and standards in alignment with industry best practices.
* Utilized .NET technologies to optimize application performance and ensure seamless functionality.
* Implemented IAM solutions using Java scripting to streamline user onboarding and off boarding processes, reducing the time required for access provisioning.
* Led the design and implementation of IAM solutions using Java scripting to automate access provisioning, de-provisioning, and role management.
* Developed custom scripts in Java to integrate IAM systems with third-party applications, resulting in improved system efficiency and reduced manual intervention.
* Collaborated with cross-functional teams to analyse user requirements and tailor solutions to meet business needs.
* Assisted in the development and maintenance of .NET applications, gaining hands-on experience with IAM.
* Implemented IAM solutions using Groovy scripts to streamline user onboarding and offboarding processes, reducing the time required for access provisioning.
* Worked on various ForgeRock Web agent upgrades from 4.x to 4.2 & 5.x as well and resolved any issues.
* On-call Support (24x7) for both Testing and Production Environments.

**Environment: Ping Federate 10.x/11.x, PingID, PingOne, Yara, Identity Federation, Davinci, SailPoint, Identity Governance, Java scripting, CyberArk, NetIQ, IDN, JDK 1.8, Kibana, Splunk, Linux, Windows, Saviynt EIC, ForgeRock, ForgeRock openIDM, AWS, Sql, C#, .net, Identity Iq, Saviynt, SSO, Java, Tree Implementation, .Net, Groovy Scripting**

**Sr. Software Engineer/ IAM Security Engineer**

**Client: Ameriprise Financial Services**   **Jan 2017- April 2020**

**Project Description:**

Ameriprise Financial Services is dedicated to delivering exceptional financial planning, advice, and services to our clients while upholding the highest standards of security and data protection. To further strengthen our commitment to safeguarding sensitive information and improving user access management, we are initiating a significant project focused on enhancing our Identity and Access Management (IAM) system.  **Project Overview:**

The "IAM System Enhancement" project is a strategic effort aimed at fortifying our IAM capabilities by implementing advanced technologies and methodologies. By enhancing our IAM system, we intend to not only enhance security but also streamline access for authorized users while ensuring compliance with industry standards and regulations. As a Senior Software Engineer specializing in IAM, I played a pivotal role in successfully carrying out this project.

**Responsibilities**:

* As a Sr. Security Engineer in the IAM team in Alliance Data and responsible for maintaining and monitoring PingFederate, PingAccess, P14C, Okta, and Duo.
* Implemented different use cases depend on client requirements.
* Implemented SSO for many applications in Okta with OIN and non-OIN applications.
* Configured AD agents in Okta to sync with Multiple active directories, upgraded.
* Implemented SSO with horizon radius client with Okta.
* Implemented workflows for multiple use cases for life cycle management.
* Implemented Kerberos, IWA authentication with Okta for seamless user experience.
* Migrated applications from Ping to Okta for both B2B and B2E use cases.
* Configured password hook using AWS lambda in Okta.
* Configured multiple Group rules, and custom policies to accommodate the requirements.
* Installation and configuration of Ping Federate 8.3/9.3/10.xon Windows.
* Upgraded PingFederate and Ping access multiple times.
* Worked with load balancing team to setup the health checks and added new routing URLs.
* Tuned the PingFederate environment after doing load testing and analyzing the load with the resources we have for resiliency and high availability.
* Cross-trained team members on PingFederate and documented the use cases and troubleshooting documents.
* Configured Agentless, Open Token adapters with query parameter and cookie for inbound and out bound flow.
* Implemented and configured SailPoint Identity Now to streamline identity lifecycle management.
* Led the design and deployment of identity governance policies using SailPoint, ensuring compliance with industry standards.
* Collaborated with cross-functional teams to integrate SailPoint with various systems and applications.
* Conducted regular access reviews and audits, identifying and mitigating security risks using SailPoint's capabilities.
* Installed and configured IWA adapters for Kerberos authentication.
* Configured Duo for MFA with PingFed for SSO applications.
* Supported Entrust MFA and Venafi for Certificate management.
* Supported Multiple tools in IAM space.
* Used Customized Exception handling class for the handling exceptions in each layer with event logging and experience in Creating. Net assemblies using
* C#.NET
* Implemented IDP-initiated and SP- initiated SSO using different authentication methods in PingFederate.
* Implemented SSO with Salesforce for a B2B use case with Ping connector for auto-provisioning into Salesforce.
* Implemented SSO for B2C using Oauth2.0 and onboarded multiple applications.
* Implemented SSO in Ping Access for multiple APIs using different rules and policies.
* Configured SQL data base for Oauth Grant store for persistent grants.
* Configured Authentication policies, Selectors and Policy Contracts for OAuth2.0 use cases.
* Worked on various grant types like Implicit, client credentials, Authorization code, and Refresh token.
* Configured SSO with Salesforce and P14C for B2B use case.
* Configured Kibana with PingFederate and PingAccess for centralized logging.
* Configured Dynatrace with PingFederate and PingAccess for reporting and monitoring.
* Played a key role in the deployment of Saviynt's cloud-based identity and access management platform.
* Customized and optimized Saviynt workflows to streamline user provisioning and de-provisioning processes.
* Worked closely with IT teams to troubleshoot and resolve issues related to Saviynt implementation.
* Performed DR exercise multiple times on PingFed and PingAccess environments.
* Installed and configured AD agents, IWA agents with IIS, Radius agents with Okta.
* Migrated SSO applications from PingFederate to Okta.
* Fine-tuned IIS, IWA agents to accommodate the heavy load.
* Implemented different policies and rules in Okta for different use cases.
* Got cross trained in SailPoint IIQ and IDN.
* Involved in meetings with partners to understand their requirements and implement SSO with SAML 2.0 and given ideas from architectural view.
* Fixed many issues related to PingFederate and documented the Root cause analysis.
* Supported infrastructure Single Sign-On (SSO) architecture in development, test and Production environments.
* Implemented and managed CyberArk solutions to secure privileged access across the organization's IT infrastructure.
* Provided technical expertise and support to resolve CyberArk-related issues and challenges faced by the organization.
* Documented all design, development, and upgrade efforts in testing, staging and production environments.
* Stayed updated with the latest Java technologies and best practices, incorporating them into the development process to enhance efficiency and code quality.
* Actively participated in Agile ceremonies, contributing to sprint planning, daily stand-ups, and retrospective meetings to foster a collaborative and efficient work environment.
* Implemented ForgeRock Access Management solutions to improve authentication and authorization processes.
* Worked closely with stakeholders to gather requirements and customize ForgeRock modules to meet specific business needs.
* Conducted training sessions for end-users and provided ongoing support for ForgeRock implementations.
* Collaborated with IT teams to troubleshoot and resolve issues related to ForgeRock identity and access management.
* Managed and maintained the organization's Active Directory infrastructure, ensuring secure user authentication, access control, and resource management.
* Designed and executed Active Directory migration projects, successfully transitioning users, computers, and resources from older domains to updated environments, minimizing downtime and disruptions.
* Documented Runbooks for PingFederate, Ping Access.
* Creating ASP.Net web pages using C#.NET, HTML, CSS, AJAX, Query for sorting and filtering.
* Led the development and implementation of comprehensive cybersecurity policies and procedures, ensuring compliance with industry regulations and standards such as GDPR, HIPAA, and NIST.
* Designed and implemented a comprehensive cybersecurity framework, including intrusion detection systems, firewalls, and security information and event management (SIEM) solutions, enhancing the overall security posture
* On-call Support (24x7) for both Testing and Production Environments.

**Environment**: **Ping Federate 8.x/9.x/10.x, Ping Access 4.x/5.x, Okta, OAG, Okta Verify, Entrust, Duo, Venafi, SailPoint IIQ, Saviynt EIC, CyberArk, IDN, JDK 1.8, Kibana, Splunk, Windows, C#, Java, Active directory, Radiant Logic, Cyber security, ForgeRock**

**IAM Security Engineer**

**Client: Energytech Global, Hyderabad May 2014- Dec 2015**

**Project Description:**

At Energytech Global, we are dedicated to revolutionizing the energy industry through cutting-edge technology solutions while prioritizing security, data protection, and user access management. To further strengthen our commitment to securing sensitive information and improving user access control, we are initiating a significant project focused on optimizing and enhancing our Identity and Access Management (IAM) system.

**Project Overview:**

The "IAM System Optimization and Enhancement" project is a strategic initiative aimed at fortifying our IAM capabilities by optimizing the existing infrastructure and introducing advanced methodologies. By enhancing our IAM system, we aim to enhance security, streamline access for authorized users, and ensure compliance with industry standards and regulations. As an IAM Software Engineer, I played a pivotal role in successfully executing this project.

**Responsibilities**:

* Working as a Tech lead on PingFederate SSO team right now in First Data and responsible to maintain and monitor PingFederate Environment.
* Implemented different use cases depend on client requirement.
* Installation and configuration of Ping Federate 6.10/7.1.3/ 8.1.2 on Linux and Solaris servers.
* Migrated 6.10 environments to 7.1.3 and from 7.1.3 to 8.1.2.
* Configured cluster with 4 servers for high availability, scalability, and load balance the traffic.
* Worked with load balancing team to setup the health checks and added new routing URLs.
* Tuned the PingFederate environment after doing load testing and analysing the load with the resources we have.
* Cross trained team members on PingFederate and documented the use cases and troubleshooting documents.
* Configured Agentless, Open Token adapters with query parameter and cookie for inbound and out bound flow.
* Installed and configured IWA adapters for Kerberos authentication.
* Implemented cross-domain functionality with multiple domains in FDC for international users using Kerberos authentication.
* Customized login html form for different use cases.
* Configured PingID for Multi Factor Authentication for internal applications to protect employees’ data.
* Installed and configured PingID on UNIX and windows for Multifactor authentication.
* Implemented IDP-initiated and SP- initiated SSO using different authentication methods in PingFederate.
* Configured LDAP as admin repository for admin console authentication.
* Configured composite adapter using IWA, WAM and html form adapters with failover use cases for international users and local users.
* Worked with partners who are using custom code to generate and consume SAML assertion and on boarded them.
* Involved in meetings with partners to understand their requirements and implement SSO with SAML 2.0 and given ideas from architectural view.
* Implemented SSO between PingFederate and SiteMinder applications using WAM adapter in PingFederate for Seamless user experience with SiteMinder protected applications.
* Configured and implemented SSO with WebSphere using WebSphere integration kit.
* Fixed many issues related to PingFederate and documented the Root cause analysis.
* Installation, Configuration and Administration of SiteMinder 6.5/12 Policy Servers, Sun ONE Directory Server 5.5/6.3.
* Installation of SiteMinder Web agent plugin forApache based IBM HTTP Server and IIS.
* Upgraded CA SiteMinder from 12.0 to 12.5.
* Implemented Multifactor authentication using AUTH minder with SiteMinder.
* Configuration of Policy Objects using SiteMinder UI.
* Configured SNMP, Splunk and OneView monitoring with SiteMinder.
* Configuration of a standalone LDAP and SiteMinder environment which can be used by WebSphere portal Server.
* Configuration ofWebSphere Components **(**Application server agents**)** for SiteMinder Web Agent.
* Involved in Configuring SSL for high security of web application.
* Customized the login form to authenticate user with additional attributes.
* Supported infrastructure Single Sign-On (SSO) architecture in development, test and Production environments.
* Documented all design, development, and upgrade efforts in testing, staging and production environments.
* On-call Support (24x7) for both Testing and Production Environments.

**Environment**: **CA SiteMinder R12 ,6.0 SP5 along with Optional Pack for Federation, SiteMinder Affiliate agents, Ping Federate 6.10/7.1.3/8.1.2, JDK 1.5, IBM WebSphere Application Server 5.x/6.x/7.x, IBM IHS server 6.0, Apache , Sun one, HTML, JavaScript, JSP, Servlets, SAML 2.0, SOAP, Sun Solaris 10 Sparc 64 bit ,AIX 5.0,Redhat Linux, Servlet Exec 5.0.**