

## Venkata Pavan Kumar Sannisetty

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### Objective

To strive for Excellence in the field of software development with dedication, focus, proactive approach, positive attitude and passion. Utilize my knowledge and skills in a best possible way for the fulfilment of organizational goals. Grow professionally by learning From the Organization and giving my best.

### Summary

I have been part of application security domain for most of my professional career and I understand its principles and know the techniques and have the technical skills to implement them.

- Enterprise Security Specialist and solution designer having more than 3 Years of Experience in Identity & Access Management.
- Having Excellent Communications, interpersonal skills and the ability to work under the pressure.
- More than One and half Year of Hands On experience and exposure on Tivoli Identity Manager (Enterprise Identity and Access Management Tool).
- Having good conceptual knowledge and development experience in Java, J2EE.
- Having good conceptual knowledge in cryptography, public key infrastructure and implementation knowledge in java using JCE, JSSE.
- Worked on Various Authentication Methodologies using TAM e-Business and implemented custom authentication methodologies using JAAS and PAM for Linux.
- Strong knowledge of LDAP design including the deployment of Tivoli Directory Server, integration with applications, schema management, and application development.
- Worked with various tools of Identity, Access management and privileged user management.
- Good understanding and hands-on experience on Authentication techniques like Kerberos, SAML and OAuth.
- Experienced in Performing Proof of Concepts as a part of Pre-sales.
- Experienced in understanding the Business requirements and converting to technical specification.
- Know all the programming constructs which are generally found in programming languages and there by ability to quickly learn/grasp new technologies or programming languages.

### Skills

Skill	Tool/Skill Name
Identity Management	Tivoli Identity Manager
Access management	RSA Access manager
Privileged Identity Management	Using TIM And TAM-ESSO
Programming Languages	Java
Web Technologies	J2EE, Web Services
Scripting Languages	JavaScript
Integration Technologies	Tivoli Directory Integrator
Identity Federation & Authentication	JAAS, PAM, TFIM and TAM E-Business

Having Experience in Operating Various Databases, Web servers, Application Servers, LDAP repositories and Operating Systems.

## **Experience**

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### **RSA, The Security Division of EMC**

Software Engineer  
(May 2012 - Till Date)

### **Aujas Networks Private Limited**

Consultant  
(March 2011 - April 2012)

### **Tata Consultancy Services Limited**

Assistant Systems Engineer  
(December 2009 - February 2011)

## **Projects**

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### **RSA Access Manager Product Development Team (RSA Labs, Bangalore)**

#### **Role:**

- Lead Developer and Support Analyst (Currently Working for RSA Access manager product development)

#### **Responsibilities:**

- Designing and Implementing new Features and to enhance the product as a part of product release.
- Checking feasibilities for supporting new data stores, operating systems and servers.
- Analyzing the possibilities of integrating the new RSA Products with the RSA AXM
- Interacting with customer support for enhancements and product issues and providing hotfixes if required.
- Writing Product documents and release notes for the hotfixes, new features in the series of product releases.
- Integrated a recently patented technology with RSA Access Manager using Java, JSON and HTTP Client API.

### **Single Sign on to Sales force with Tivoli Federated Identity Manager (Automobile Conglomerate, USA)**

#### **Role:**

- Requirement Analysis and Design
- Configuration Management

#### **Tools:**

- Tivoli Federated Identity Manager, Web sphere and active Directory

#### **Requirement:**

- Requirement is to enable IDP initiated SSO for Sales force using Tivoli Federated Identity Manager, active directory is the underlying user data store and SPENGO authentication should be used instead of prompting for data store credentials.

#### **Responsibility:**

- Configured Active Directory as Web sphere realm and enabling SPNEGO authentication on web sphere.

- Configured Web sphere as user repository for Tivoli Federated Identity Manager.
- Responsible for all the configuration changes required for SSO integration between sales force and TFIM over SAML.

### **Approving ITIM Activities Using SMS (Tata Teleservices Limited, Mumbai)**

Role:

- Solution Designer
- Developer

Team Size: 1

Tools:

- Tivoli Identity Manager 5.1, Core Java Using ITIM API, J2EE and Now SMS Gateway

Details:

- Whenever an activity is pending upon a user in Tivoli identity manager along with email an SMS also will be sent. The User using mobile phone number can approve or reject the request by sending an SMS.
- Installation of SMS Gateway.
- Creation of Workflow Design and writing workflow extensions for sending SMS to the user along with email.
- Developed a Web Application Using Servlets to process the received messages from the gateway and act on the ITIM activities based on the SMS received.

### **Privileged User Management Prototype Development Using Tivoli Identity Manager and Tivoli Enterprise Single Sign-On (Tata Teleservices Limited, Mumbai)**

Role:

- Solution Designer
- Developer

Team Size: 2

Tools:

- Tivoli Identity Manager 5.1, Tivoli Enterprise Single Sign-On, Java Using ITIM API, VB Script and J2EE Using Struts

Problem Statement:

- Tata Teleservices limited is having numerous numbers of switches, routers and various networking devices on which users will login with the device credentials. The Credentials of those devices will be shared between users whoever manages those devices. These credentials also will be shared among the business partners. There is no mechanism of placing of tracking these device logins and also sharing the password is a potential threat. The password need to be changed every time a business partner leaves or any team member who leaves the company or changes his role.

#### **Crucial Requirement:**

- User has to be provided with a GUI in which he can select the device for which he wanted the access. The User also has to select the start date and end date during which he wants the access. Prior to the access provisioning if any approvals required they need to be started and completed. If the approval is completed prior to the access provisioning still the access provisioning needs to happen at that start date and access revocation should be done end date selected from GUI.
- After provisioning the User credentials into the User's wallet the user can unplug the network from the machine and can enjoy the unlimited usage of the cached credentials. And if there is uneven change of the password at the device all these credentials in wallets need to repopulated.

Details:

- Successfully Developed a sample self service GUI which satisfies the requirement using Servlets and JSP.

- Done Access provisioning at the start date, revocation at the end date and making the request to go approval before access provisioning using workflow extensions and ITIM Scheduler.
- Created an Advanced profile using VBScript which will hit an external web application and authenticates to it and retrieves the credentials required to login to the device. Using this approach credentials won't be cached and change in password required to be changed at one place.
- Designed a Web Application which will receive the request from the TAM ESSO Agent and authenticates using TAM ESSO Credentials and retrieves the accessible account credentials

### **Proof of Concept for Identity Management Using Tivoli Identity Manager (Srilanka Telecom, Colombo)**

Role:

- POC Implementation
- Tivoli Identity Manager Configuration in POC

Team Size: 4

Tools:

- Tivoli Identity Manager, Tivoli Directory Integrator, TAM-ESSO and Tivoli Common Reporting

Requirement:

- Automatic Provisioning/Deprovisioning of user accounts into applications like Active Directory and some custom customer applications. Through self-service, automate approval workflows, enforce rigorous password policies, and perform bidirectional password synchronization and generation of audit reports.
- Single Sign-on for the customer desktop windows and java applications.

### **Active Directory Integration with Tivoli Identity Manager (Commonwealth Bank of Australia and Bank west, Sydney)**

Role:

- Developer

Team Size: 2

Tools:

- Tivoli Identity Manager 5.1, Core java for writing workflow extensions

Details:

- Commonwealth Bank of Australia Acquired Bank west in 2008 and wanted to manage the active directory of Bank west through the CBA Identity Manager Application and its Portal.
- Installation of agents and configuring agents according to the requirement.
- Written Workflow extensions in order to fulfil the functionality requirements.
- Writing Java Code for changing the CBA Identity Manager Custom Portal to introduce new changes.

As a Developer involved in various change requests for Commonwealth Bank of Australia and created many manual resource provisioning processes using workflows for the unmanaged systems of identity manager.

### **Novell GroupWise Email System Integration with Tivoli Identity Manager (For one of Fortune 500 Company)**

Role:

- Solution Architect & Developer

Team Size: 2

Tools:

- Tivoli Identity Manager 5.1, Java script and Java

Details:

- An Integration project with Tivoli identity manager to automate the process of email accounts management
- Responsible for Requirement Analysis & Solution Design for the integration
- Installation and Configuration of Novell GroupWise Tivoli Identity Manager Adapter.
- Responsible for TIM Configuration for creating roles, policies, lifecycle rules, Workflows, Sub forms, ACL's etc.

### **Self Service Portal using ITIM API (MetLife India Private Limited)**

Role:

- Designer
- Developer

Team Size: 1

Tools:

- Tivoli Identity Manager 5.1, ITIM API, Java, J2EE Servlets, JSP

Details:

Requirement is to develop a simple portal through which user logs in using ITIM forgot password questions and unlocks their active directory account.

- Responsible for building a simple portal web application using JSP and Servlets.
- Responsible for writing Java coding using ITIM API's.
- Responsible for Installing the Web application.

### **Proof of Concept of Privileged User Management Using Novell Product Suite**

Role:

- Solution Architect
- POC Implementation & Demonstration

Team Size: 2

Tools:

- Novell Identity Manager 4.0, Novell Privileged User Manager 2.3, Novell Client 4.91 and Novell Zenworks Configuration Management and Novell e-Directory

Problem Statement:

Customer is a value added services company who hosts their products on their client machines and manages those servers. In order to login into machines in the client network the customer org. employees shares the local administrator, root account or some super user account credentials among the team. And users need to remember all these passwords of the servers whom he/she manages. Due to this customer is unable to track/audit the user activities as all the activities will be recorded under the privileged account which is a compliance/regulatory issue. And customer does not want to use software like active directory/samba/Novell Domain Services.

Details:

- Designed a solution for a Value Added Service Company for Privileged User management to follow the recent TRAI regulations.
- Using the Above mentioned tools and using the replication concept the POC has been implemented at the customer site.

## **Education**

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**V R Siddhartha Engineering College, Vijayawada, Andhra Pradesh**

B. Tech (Information Technology)  
Year: 2009  
GPA: 82.8/100

**Chaitanya Junior College, Chilakaluripet, Andhra Pradesh**

Intermediate (12<sup>th</sup>) M.P.C  
Year: 2005  
GPA: 95.9/100

**R.V.S.C.V.S. High School, Chilakaluripet, Andhra Pradesh**

SSC (Secondary School Certificate) 10<sup>th</sup>  
Year: 2003  
GPA: 85.8/100

**Honors and Achievements**

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Topped in TCS Training and secured 'ILP Top Performer Award'.  
Best Consultant Award for the Year 2012 in Aujas Networks Private Limited.  
IBM Certified Tivoli Identity Manager 5.1 Professional

Participated and Won Prizes in various programming competitions during college days.

**Personal Details**

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Father's Name	S. Srinivasa Rao
Date of Birth	19th Aug 1988
Interests	Listening music, Cricket and Reading Books
Languages	English, Hindi, Telugu
Gender	Male
Marital Status	Single
Nationality	Indian

**References**

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References can be provided on request.

**Declaration**

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I hereby declare that the above furnished details are true to the best of my knowledge.

Sannisetty

Venkata Pavan Kumar

Date: February 26, 2017