**AVINASH P**

**SAP SECURITY/GRC CONSULTANT**

**Professional Profile**

* Over 8 years of SAP experience, with 7 years of solid SAP Security experiences across various SAP systems like **ECC, BI/BW, APO, PI, XI, Solution Manager, and GRC**
* Successfully implemented 3 SAP security projects & provided **24\*7** production support for 4 customers for SAP **Security/GRC** projects.
* Worked closely with the business users to gather business requirements for SAP security changes
* Co-ordinated with Functional leads & Off-shore resources to complete the various implementations steps of SDLC
* Identified **SOX conflicts** in roles/users. Remediated the conflicts by role changes where possible, per SOX recommendations. Identified & fixed roles/users with access to critical transactions addressing audit findings.
* Performed regular user cleanup to optimize the number of users in the SAP systems thus helping the client stay within the license terms with SAP.
* Excellent Leadership skills, ability to lead & follow based on the situation.

**Areas of Expertise**

* Security implementation
* SAP security support
* GRC implementation
* Access Troubleshooting
* Audit issue-solving
* SOD/SOX-remediation
* User Provisioning
* Role Administration
* Teamwork & Leadership

**Technical Expertise:**

* Extensively worked on User administration activities on all types of user accounts, performing activities like create, lock/unlock, reset passwords, and license administration. **(SU01, SU10, SUGR)**
* Designed, re-designed, developed single & composite security user roles in PFCG & ERM per the business requirement & in compliance with the SOX act.
* Built custom transaction codes for the custom programs/reports via **SE93**, Extensively used **SU53, ST01** to troubleshoot user access issues
* Perform Risk Analysis using **GRC RAR (CC)** to find the existing violations for the users & roles.
* Creations and administration of the firefighter ID’s, Owners, controllers in **GRC SPM (FF)** Cockpit.
* Performed SOX reporting on monthly, quarterly, & annual basis
* Worked closely with the Internal Audit to identity roles with access to critical authorization objects & remediate them appropriately based on Audit recommendation
* Performed user measurement reports in all the SAP systems licensed with SAP & submitted them to SAP via **USMM/SLAW**

**Professional Experience:**

**Client: Flextronica, SanJose, CA Jul 11 – Present**

**Flextronics, San Jose, CA**

**SAP Security Administrator**

* Extended the existing security design to Operating companies(OPCO) in SAP R3 4.7, BW, & APO system, Re-designed the entire security architecture after the application was upgraded to ECC 6.0, BI & APO
* Experienced with SAP infrastructure.
* Developed, configured, and administered system Security components for all SAP and non-SAP applications
* Configured SAP GRC 5.3 Access Control tool for access provisioning (CUP), Risk analysis & Remediation (RAR), Super user privilege Management (SPM) and role development (ERM)
* Capable of understanding business process and practices and translate into technical architecture
* Worked on GRC 5.3 to perform role design (ERM), access provisioning (CUP), SPM & RAR.
* Perform Risk Analysis using GRC RAR (CC) to find the existing violations for the users & roles.
* Set up system connections between GRC and SAP ECC, BI, & APO to facilitate role development, access provisioning & Firefighter
* Engaged in automating and streamlining of security and control processes
* Experienced in ABAP language to build security solution where ever development is required
* Designed & developed new security roles for different business processes and sub-processes via PFCG and ERM.
* Worked with the business users to gather requirements, later worked with the functional leads to design the roles
* Worked with the offshore team to co-ordinate unit testing, worked with the end users to perform day-in life testing & getting formal signoffs
* Investigated opportunities to improve system capabilities based on observed risks or gaps.
* Involved in discussions with Audit & SOX to follow their recommendation at difference stages of the project implementation
* Assisted security team in redesigning of SAP Security roles, identifying SOD’s, building SOD Matrix and in creating new SAP Security Roles
* Closely worked with the security team members, architect & the program managers to ensure smooth Go-live per the schedule.
* Provided 30-day hyper care to address post Go-live issues & fix the user reported incidents.

**Client: NBC Universal, NJ Jan 10 – May11**

**Senior SAP Security Consultant**

* Worked as a Security designer and SOD expert and advised the project team about various role design methods and recommended the most suitable based on the requirements.
* Worked as the go to support for all issues related to Security during this process
* Developed & supported SAP GRC application of Access Control.
* Creations and administration of the firefighter ID’s, Owners, controllers in GRC SPM (FF) Cockpit
* Implemented GRC 5.3 to clean up all existing SOD issues.
* Modified GRC 5.3 delivered Compliance Calibrator rule set to suit the business roles.
* Developed & supported SAP GRC 5.3 application of Access Control.
* Migrated and consolidated Roles and Users while keeping the user combined access SOD free.
* Helped BA’s with Role mapping and User mapping based on requirements
* Worked with audit in designing mitigating control to cover all required SOD violation to keep the system SOD free.
* Utilized SE16n to pull various reports for analysis to support design needs.
* Went through process in evaluating the new Security enhancement products.
* Helped mapped users to the roles with job function.
* Helped the team understand security process and answered all security questions.
* Documented processes and procedures for the Security Team
* Designed go live procedures and assisted in user training and go live support.

**Client: Reynolds American Inc, Winston-Salem, NC Nov08 – Nov 09**

**SAP Security Administrator**

* Designed & implemented Master-derived role approach as security redesign
* Traced the transactions for required authorizations and adjusted the SU24 for those t-codes
* Support for new user creations, role requests, custom authorization objects, table restrictions, etc
* Worked with business, functional leads and Basis to identify critical & immediate roles
* Participated in Internal and External security audits
* Worked with business to discuss SOD issues and suggested removal violations.
* Developed Risk Matrix, Impact and likelihood, Mitigating controls to support assertions.
* Educated testing team about how to test security profiles and SOX specific testing.
* Documented the procedure for all request & change process and existing controls.
* Developed administrative and monitoring process for BW authorizations
* Implemented GRC 5.3 to clean up all existing SOD issues
* Modified Virsa delivered Compliance Calibrator rule set to suit the business roles
* Automated analysis & dumping of CC Role based & User based SOD conflicts
* Designed reports for SOX Audit liaisons for tracking SOD Cleanup progress, criticality, etc

**Client: Capital One, Richmond, VA Feb08 – Oct08**

**SAP Security Analyst**

* Worked as a Security designer and SOD expert and advised the project team about various role design methods and recommended the most suitable based on the requirements.
* Worked as the go to support for all issues related to Security during this process
* Developed & supported SAP GRC application of Access Control.
* Migrated and consolidated Roles and Users while keeping the user combined access SOD free.
* Helped BA’s with Role mapping and User mapping based on requirements
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**Client: Borg Warner, Auburn Hills, MI Jun 07- Dec 07**

**SAP Security Administrator**

* Performed full analysis of client’s existing security solution, documented and implemented detailed remediation steps
* Created new roles for ECC 6 systems: FI, CO, TE, HR, MM, PP, QM, and SD modules, based on concepts of task roles and position roles
* Created new roles for Solution Manager 7 Service Desk
* Analyzed and replaced existing roles with new roles accurately matching business needs
* Configured and managed Central User Administration (CUA) environment
* Performed SAP License Administration analysis, implementation, and submission to SAP
* Supported phased Go Lives, October 2008 and September 2009
* Overhauled existing SAP Authorization procedures
* Provided detailed documentation of SAP Security procedures to client

**Client: Clorox, Oakland, CA Dec 06- Jun 07**

**SAP Security consultant**

* SAP Security Support for SAP Implementation Project ECC 5.
* Responsible for all SAP Security tasks, role design, development, configuration, troubleshooting, resolution, and documentation of all Production, Test, Development Systems of all SAP landscapes.
* Role Redesign Project to reduce number of Composite roles assigned to users to one composite and redesigned single role in composites to eliminate redundant authorizations assignments.
* Maintained / enforced SOD rules during role redesign project using Approva, Bizrights SOD tools. Assisted SAP Security Administrator in production support tasks as needed.
* Wrote eCatt (SECATT) Scripts for mass role creation, changes, mass user creation, and change tasks.

**Lam Research, Fremont, CA Jan 06- Nov 06**

**SAP Security consultant**

* Created users, roles, profiles, groups in the system as per the requirement based on SOX standard supporting users in troubleshooting their security related problems on a day-to-day basis.
* Worked with the business and created new roles
* Troubleshot security errors
* Maintained production support, Lead table protection project
* Worked with CUA standards, which makes more flexible to work with large number of users to update their roles and profiles across the landscape.
* Involved in design/development/testing phases of ECC & SRM end user security roles and Firefighter role.
* User creation, Checking and deleting users in SAP SRM for SAP EB, CUA in SRM, Roles and Authorizations, Authorization objects.
* Securing the Organizational Structure in a Decentralized environment.

**Multibyte Technologies, Hyderabad, India May 05- Nov 05**

**SAP Analyst**

* Prepared team charter, resource requirements & time estimation model.
* Inherited a 3-tier design: General, functional display/report & job specific access.
* Supported security for Dual System landscape with simultaneous developments, securing various Clients & Systems making sure of role segregations and documenting mitigations.
* Worked on SAP MM, PM, FI, CO, BW Modules
* Designed Security for BW objects including Queries, Workbooks, InfoAreas, Infocubes and Info objects & Worked extensively with hierarchies and workbooks

**Education Qualification:** Bachelors in Computer Science (Andhra University)