



KT Mahmudi

“AWS”, “CISSP and CCSP” and “SAP NetWeaver Security and GRC” Certified Consultant with focus on Enterprise-wide SAP Implementation, Zero-Trust Security Architecture & Design, Data Protection, Compliance, Governance, System Upgrades, System Administration, System Sizing, Environment Planning, System Refresh Strategies, Problem Solving & Process Standardization”

mahmudi@gmail.com

773 - 474 – 0292

Local to: Minneapolis, MN
US Citizen

Leadership Competencies

- ❖ Building diverse and inclusive teams
- ❖ Setting strategic roadmap and priorities
- ❖ Customer expectation mgmt.
- ❖ Stakeholder management
- ❖ Engaged team player
- ❖ Emphatic, approachable, flexible
- ❖ Continually learning and improving

Technical Competencies:

- ❖ Implementation of products in ramp-up
- ❖ Data Protection GDPR, HIPAA, etc
- ❖ Attribute Based Access Control - NIST
- ❖ Environment Planning / Refresh Strategies
- ❖ Product Development, Installation & Configuration
- ❖ Vulnerability and Patch Management
- ❖ Change management
- ❖ Application Lifecycle Management
- ❖ SAP system upgrade planning
- ❖ Disaster Recovery and Business Continuity
- ❖ Identity Management
- ❖ Third Party S/W Integration with SAP
- ❖ Design technical Infrastructure for global implementations
- ❖ Design SAP security architecture for global technology rollouts @ Zero trust
- ❖ Cloud Identity, IAG, IAS, IDM
- ❖ SAP IDM, SailPoint, OKTA
- ❖ Code Review – Virtual Forge
- ❖ Mergers and Acquisitions (M&A)
- ❖ IT Vendor Analysis and Selection
- ❖ Customer Service

Education:

- ❖ MS Mechanical Engineering - University of Illinois at Chicago (Specializing in Automation and Control)
- ❖ BS Mechanical Engineering – NED University of Engineering and Technology

Experience Summary

AWS, CISSP, CCSP, AWS and SAP Security and GRC Certified NetWeaver Consultant with 17+ years of SAP Security experience. SAP professional with experience in successfully driving complex ERP implementations, Assessments, Zero Trust Security Design of complex and critical technology efforts under tight constraints. Proven ability to understand complex technology solutions & issues and communicate simple solutions. Display strong technical & analytical abilities, leadership skills and the ability to prioritize strategic technology and business vision. A truly global outlook with experience in providing solution for worldwide locations EMEA, NA, EU and Asia. Possess outstanding relationship management skills and demonstrated results in quality, teamwork and communications including strong written and verbal communication skills.

Career Highlights

- ❖ Responsible for achieving expected outcomes related to overall SAP architecture, environment planning, transport strategy, development, archiving, license management, and cost control.
- ❖ Have demonstrated competence in playing instrumental role with contract staff to clarify roles/responsibilities, align architecture/environment strategies to project release schedules, ensure execution of strategies, confirm capacity planning, implement projects, govern service-level agreements, and serve as liaison to the business.
- ❖ I have extensively worked to facilitate the adoption and implementation of a consistent technical security architecture for SAP applications such as S4 HANA, C4 HANA, Fiori, ABAC, Zero Trust, UI Masking, SAP BTP, SAP Enterprise Portals (CRM, BI, MDM and Federated), SAP xApps (XMII), SAP ME, SAP XI, SAP SNC, GTS, APO/SCM, ECC (SD, MM, FI/CO, HR, and GL), BW/BI, CRM, SRM, HR/HCM Solution Manager, MDM, Vendavo & GRC (Access Control)
- ❖ I have played vital roles in defining technical security standards, guidelines and solutions, by providing architectural leadership, consultancy and advice to team members and developers.
- ❖ Have conducted architectural reviews to promote an effective and efficient security structure that will deliver and maintain specifications of security services within the corporate technology architecture while maintaining a roadmap for the development and update of product oriented security architecture and standards.
- ❖ Executed GRC ControlPanelGRC and SAP Access Control Suite 5.X, 10.1, 12.0 implementations (CUP, RAR, ERM, SPM) formerly known as VIRSA Compliance Suite (Compliance Calibrator, Access Enforcer, Fire Fighter)
- ❖ I have gone through multiple full-cycle implementations (Systems Development Life Cycle - SDLC) of security in Portals, ECC, R/3, BW/BI, Solution Manager, MDM and CRM, and have developed security policies and procedures; created templates for role sign off for Graham Leach Bliley (GLB) and Sarbanes-Oxley (SOX) act compliance for data security and privacy.
- ❖ Also have experience coordinating user acceptance testing, have resolved

Certification:

- ❖ ISC2 – Certified Information Systems Security Professional (CISSP)
- ❖ ISC2 – Certified Cloud Security Professional (CCSP)
- ❖ SAP – Certified NetWeaver Security Prof
- ❖ SAP – Certified Governance Risk and Compliance Consultant
- ❖ AWS Cloud Practitioner
- ❖ AWS Security – Specialty

security related issues during integration testing, regression testing and role sign off. I am also experienced in installation, upgrade, testing, cutover, support, hyper-care support, monitoring and implementation of SAP business applications and SAP process automation add-on.

- ❖ Good understanding of productivity management techniques and also have excellent communication, co-ordination, facilitation and liaison skills. Work with project management and project teams to develop resource requirements, incorporate technical tasks in the overall project plan, and confirm technical scope ensuring fit of requirements into SAP architecture.

Chronological Summary of Experience

Marriott

Bethesda, Maryland

IAM / IAG Application Assessment Consultant

Lead consultant engaged in IAM assessment of 30 of the most business critical applications for Marriott.

- ❖ Assess Marriott's compliance plans by assessing current state, risks, at Zero Trust level and what remediation efforts are required.
- ❖ Map Marriott's corporate IAM policies and standards to assess risks.
- ❖ Assess IAM controls, policies, and procedures for Account Management (Account Lifecycle Management)
- ❖ Assess IAM controls, policies, and procedures for Access Management (Authentication and Authorization, SSO and Multifactor Authentication MFA)

- ❖ Assess IAM controls, policies and procedures for Access Governance (Access Requests and Approvals, Provisioning, RBAC, ABAC, PBAC, SODs and Access Certifications)
- ❖ Assess IAM controls, policies and procedures for Privileges Access Management (Privileged Credential Management, Secrets Management and Session Management)

Becton Dickinson

Franklin Lakes, NJ

SAP Security Advisory and Assessment Consultant

Business transformation, Info security, and risk and compliance consultant helping drive security risk management processes.

- ❖ Provide oversight and leadership for remediation activities, including tracking and escalation of risks identified.
- ❖ Security risk assessments, remediation planning, identity and access management, policy, and compliance within ERP.
- ❖ SAP Security architecture operational review and assessment of the SAP environment
- ❖ Protection of SAP data against unauthorized access, manipulation, and loss
- ❖ Security processes around monitoring, incident response, patch management
- ❖ Audit and remediation
- ❖ GRC Assessment
- ❖ S4 Assessment

Old Castle APG

Atlanta, GA

SAP S4 – Fiori Security, Data Protection and GRC Global Deployment Lead

- ❖ Design and build roles for S/4 HANA and Fiori Gateway Systems likewise roles for GRC 12.0, BW/4HANA and various other systems.
- ❖ Implement and configure GRC with services for apps included in the Ruleset.
- ❖ Gather requirements and document S/4 HANA security strategy and framework.
- ❖ Design roles for Fiori apps by adding Catalogs and Groups to S/4 HANA likewise activate services for Fiori apps in /IWFND/MAINT SERVICE.
- ❖ Develop and implement cut-over tasks for S/4 HANA Go-Live.
- ❖ Handle the analysis planning and implementation of solutions using SAP BTP cloud Foundry services to include Portal/Launchpad Workflow management HANA Cloud/CAPM for a large cloud-based application.
- ❖ Fully responsible for the architecture, strategy and design of SAP Business Technology Platform (BTP) services in alignment with SAP's guidelines and Eversource's strategy.
- ❖ Configured UI Masking data protection solution to meet business needs to protect bank data and other PII and Trade Secrets
- ❖ Create and configure launch pad sites using BTP portal service/Launchpad Service/.
- ❖ Create, maintain customer, and support team profile/roles.
- ❖ Assist in scheduled and non-scheduled system changes, providing the customer and support groups application health checks
- ❖ Perform Quarterly application checks to ensure compliance to audit and corporate guidelines.
- ❖ Work with internal audit and Compliance Manager to evaluate Segregation of Duties conflicts and consult with business units in reducing the SOD conflicts.
- ❖ Enabled authentication and authorization use cases for SAP Business Transformation Platform (BTP), Work Zones
- ❖ Worked in close coordination with the information security analyst and other stakeholders related to Cyber Security matters to identify security vulnerabilities.
- ❖ Participate in SAP audit discussions, questions and help resolve the SOD issues. Contribute to developing remediation strategies to SAP security-related audit exceptions or SOD issues.
- ❖ Contribute to Segregation of Duties risk violation remediation effort with Compliance manager, internal audit, business process owners, etc.
- ❖ Handle IDM configuration of User Provisioning/De-Provisioning of Roles to all the SAP and Non-SAP applications based on the business requirements.

- ❖ Provide user/access management services to users throughout the enterprise by provisioning/ deprovisioning the access, based on pre-defined Role Based Access Control.
- ❖ Work on Role Based Access Control (RBAC) for consolidating User IDs, Role Profiles and data cleanup
- ❖ likewise handle the creation of custom authorization objects based on Roles.
- ❖ Perform Role Based Access Control (RBAC) analysis, design and implementation following Zero trust model
- ❖ Monitor data flow between ECC & Hybris C4C systems and resolve issues in order to enable integration between on-premise and Cloud applications.
- ❖ Handle ChaRM Configuration to include, creation of Projects, Maintain ORG Structure, Activating ChaRM, configure Request for Change, Normal Change, Urgent Change, Change Document, Maintenance Cycle creation maintenance, Email Notifications and Custom Workflows.
- ❖ Implement ChaRM across the landscape as per the business requirements.
- ❖ Participate in the design and requirements gathering phase in preparation for IDM upgrade.
- ❖ Analyze security design in ECC, CRM, BI and HANA provide recommendations for improvement.
- ❖ Prepare HANA Security design document with Client's role naming convention standards.
- ❖ Design and build HANA Business, Non-Business roles and Analytical privileges in HANA Studio.
- ❖ Set up UAT test users to validate HANA security roles.
- ❖ Implement Dynamic analytical privileges concept by using custom authorization table and custom stored procedures.
- ❖ Implement design time role concept to well organize HANA custom roles.
- ❖ Use delivery unit concept to transport HANA Design time roles across HANA landscape.
- ❖ Involve in creation of CRM Role matrix for new CRM roles with the help of Business process owners without any SOD violations.
- ❖ Work on SLT security for Data Load and transformation from BW/4 to HANA Studio/WEB IDE.
- ❖ Handle BODS security in CMC granting access to users for information Steward and Data Services to create repositories, rules, profiles to extract data from source systems.
- ❖ Handle security setup for BI and BOBJ integration.
- ❖ Create Various Business roles as per the business requirement.
- ❖ Assign Business Roles to position in CRM by following different approaches.
- ❖ Implement and design GRC AC 12.0, configure GRC AC Access Risk Analysis (ARA) and Emergency Access Management (EAM) components.
- ❖ Design and configure MSMP workflows for addressing various request types in Access Request Management.
- ❖ Design and configure MSMP Firefighter Log report workflow for sending the logs to Firefighter Controllers.
- ❖ Design and configure User Access Reviews (UARs) for assessing user's access in all production environments.

Western Midstream The Woodlands, TX

HR Structural Authorizations Consultant

Designed and implements structural authorizations for SAP S4 and time-administration.

- ❖ Implemented HR structural authorizations for SAP S4
- ❖ Enabled managers to approve time for their direct reports.
- ❖ Enabled deep organizational hierarchy authorization checks.
- ❖ Created data profiles in CAT2.
- ❖ Solution demo, test scripting, data flows and Fiori enablement

3M St. Paul, MN

(2016 – 2022)

Global SAP Security, Identity and Access Management and GRC Lead

- ❖ Lead SAP Security deployment and support function for the entire enterprise.
- ❖ S4 HANA and CFin Security Architect
- ❖ ABAC – Data-tagging: Helped 3M in product selection (NextLabs) for a ABAC solution to protect businesses crown jewels, trade secrets, PII and recipes, and technology. Implemented, designed and build ABAC following Zero Trust principles and tagging-data
- ❖ Helped business migrate many of the standard ABAP transaction-based processes to both SAP delivered and custom Fiori applications. Designed security for Fiori UX / NetWeaver Gateway thereby giving business a unified and simple platform to perform business tasks for EWM/SimpleLogistics LEX/EWM
- ❖ Lead a global team of 60+ resources and managed a budget portfolio of \$10M for security supporting services.
- ❖ Enable business transformation by supporting global rollout of SAP across 70 countries.
- ❖ Performed POC of many of the products that work / integrate with SAP including Pathlock / Greenlight for Cross-Application SOD analysis, and User Access Reviews.
- ❖ Prototyped; architected and designed HR structural authorization based organizational / position based access management for SAP applications. Replicate HR Master, create positions, assign user to position.. Maintained PD and PA profiles. Used various infotypes and subtypes in HR Master for time management and recruitment. THIS WAS LATER MOVED TO WORKDAY. Design a custom position-based security model through SAP IDM/GRC/WORKDAY
- ❖ Facilitated, architect and orchestrated migration from SAP Identity and Access Management to SAP Identity Authentication Governance.
- ❖ Migration of SAP to AWS using SAP Cloud Identity Service, SAP Identity Authentication (SAP IAS) SAP Identity Provisioning (SAP IPS)
- ❖ Support business agility and resilience by creating security solutions for complex and multi-faceted problems, which require ingenuity, creativity, innovation, and strong analytical skills.
- ❖ Collaborated with integration and cloud security team to migrate from SAP Cloud Platform to and SAP Business Technology Platform (SAP BTP). These teams included database and data management, application development and integration, analytics, and intelligent technologies.
- ❖ Protect 3M and its customers by strengthening data protection and compliance posture by implementing attribute-based access control security policies, best practices and standards that are in alignment with the overall corporate information technology strategy.
- ❖ Lead a select team of customer experience resources focused on uplifting the security posture across the organization. Drive meaningful information from customer survey results generated from 22,000 support tickets. Performance KPIs, satisfaction rating (NPS), internal and external benchmarking, staffing models etc.
- ❖ Optimized operational efficiencies by 18% via automation, collaboration, and lean continuous improvement.
- ❖ Help team set and track manageable goals, that focuses on results that matter, increased transparency, and better (strategic) alignment.
- ❖ Be a relevant and trusted business partner that collaboratively shapes and executes security for our clients and customers.
- ❖ Grow talent globally, broaden diversity, equity & inclusion, & promote wellbeing for everyone to ensure a strong SAPSEC in support of 3M growth, continuity, & operational excellence.

GRC Access Control:

- ❖ Design from the ground up the full implementation of GRC 12 for Access and Process control. Implemented 6 end-to-end GRC Access control implementations and 2 GRC Process Control implementations. Configured complex workflow in the GRC system by using BR/flat rule and MSMP tool in the various projects based on the client requirement.
- ❖ Designed, implemented and supported ControlPanelGRC solution for health care business. Enabling business to SAP Access Control in ControlPanelGRC assesses compliance failures, remediates segregation of duties (SoD) conflicts, and controls access.
- ❖ Integrate GRC AC with SAP IDM and Sailpoint for SoD remediation and cross application risk assessment.
- ❖ Configured GRC Process control Pre and Post installation steps. (CCM) Automated monitoring, manual testing, and workflow configuration.
- ❖ Configured HANA security related to different applications for two clients.
- ❖ Created Users, Roles, Privileges, Packages, and Schemas as part of HANA Security and Development in Hana Studio. Involved in HANA Security, including User Management, Roles, and Privileges.
- ❖ Configured BOBJ/BI on HANA for reporting users assign Analytic Privileges on Attributes, Analytic and Calculation Views and also implemented row-level security with AP like field from Attributes view, Field from Attribute View used in Analytic View, Private Dimension of Analytic View, Attribute field in Calculation View and with the Combinations of the all or Single value, range.
- ❖ Extensively used SQL statements in SAP HANA Studio for user management and for roles.
- ❖ Design the full implementation of GRC 12 for Access. Implemented 6 end-to-end GRC Access control implementations.
- ❖ Configured complex workflow in the GRC system by using BR/flat rule and MSMP tool in the various projects based on the client requirement.

- ❖ Automated the GRC workflow by creating the new Business rule frame (BRF+) flat rule and multi-stage multi-path workflow. It involved but was not limited to reducing the access approval timeline for the end-user, Managers, role owners, and Risk owners.
- ❖ Configured and implemented the GRC 12 SP14 Access Control with all Four Modules (ARM, ARA, EAM and BRM).
- ❖ Designed a full customization solution by designing/Configuring the GRC Workflow (BRF+ flat rule and MSMP).
- ❖ Connected GRC to the S4hana system by running the BC Sets for S4 Risks and Functions related to SOD, SOX.
- ❖ Customized the SOD/SOX function by adding the Fiori Apps id and custom Ricefs into the Ruleset.

GRC and Archer Process Control:

- ❖ Configured and implemented the Pre and Post process controls steps; configured and implemented the Automated, semi, and manual control by using the CCM in the process control
- ❖ Customize the SAP Standard role and replace it with the custom roles
- ❖ Created the Master Data for the Process control, Organization structure, Control, control objective, and risks
- ❖ Created the data source and Business rule for all the IT C Control and designed the full end-to-end control
- ❖ Configured the Agent Workflow for risk control to identify any deficiency in any of the control.
- ❖ With the help of SAP, HANA Developer created HANA Views and integrated the process control for all the ITC GC HANA Controls.
- ❖ Integrated the SAP HANA DB SDA integration with SAP GRC Data Source to build the Business rules.

Deloitte and Touche, LLP, Minneapolis, MN, USA (2014 – to 2016) *(Security Advisory Lead, Managing Global SAP security strategy and design, Application Lifecycle Management, Deployments / Setups & Implementation of global project and Governance)*

Consultant, Cyber Risk Services

Johnson & Johnson

- ❖ Key stake holder in Business process analysis (BPA) and Business Process Master List (BPML)
- ❖ Key stake holder in Global security strategy for ABAP and Non-ABAP SAP systems including HANA
- ❖ Quality and Compliance (Q&C) lead responsible for J&J's SAP security compliance and audit responsibilities
- ❖ Deployed Central User Administration (CUA) to manage all sandbox and development systems.

Deloitte and Touche, LLP, Minneapolis, MN, USA (2013 – 2013) *(Security Architect, Managing Global SAP security roll-outs, Client Strategy, Application Lifecycle Management, Deployments / Setups & Implementation of global project and Governance)*

Consultant, Enterprise Risk and Services (Security and Privacy)

3M

- ❖ Responsible for development of an effective SAP CRM security architecture facilitated and supported by a strong GRC backbone
- ❖ Proactively identify opportunities to solve business problems, by combining process improvement with systems implementation. As part of the compliance and SoD remediation activities to support and provide guidelines for these initiatives
- ❖ Work with business leaders for development and quality assurance and production environments, to mitigate identified excessive access that exists with business users
- ❖ Identify transactions, authorization objects, reports and programs that the business users require by the use of Security audit reports, findings and defined ruleset
- ❖ Provide expertise in analyzing and translating business requirements into technical specifications in collaboration with application and functional teams
- ❖ Provide broad knowledge of CRM security concepts, including GRC 10, ECC, industry specific solutions, Portal, BW, BI, BOBJ, XI/PI and Solution Manager
- ❖ Be able to work effectively as part of a team made up of consultants, employees and other consulting firms and clients from various business disciplines and backgrounds
- ❖ Support Audit requirements of Sarbanes-Oxley using security audit log and audit information systems
- ❖ Security consultant with ECC 6.0 experience and CRM WEBUI role design and development of business roles, IC

(interaction center) BP (business partner). Creation of PFCG roles based on CRM business roles and navigational profiles

- ❖ Propose effective CRM Security design strategies by effectively leveraging Org Models
- ❖ Share best practices and industry standards for a standard and consistent SAP security solution
- ❖ Share knowledge of component specific guidelines and dispensable functions with impact on security
- ❖ Provide SME SAP Security services while being a NetWeaver 2004s Architect and Security. Implementation and design strategist
- Provide expertise in all aspects of SAP CRM Security, Role and Position based security; Three and four tier architecture. Organizational based security, and deployment of security concepts. WEBUI Business role design and built
- ❖ I have an understanding of key business process risks and have a commitment to delivering excellent customer service and client satisfaction. In general I like to think of myself as a good all-rounder, flexible, adaptable, proactive, best practice oriented and able to work with minimal supervision if required
- ❖ Provide expertise in SAP CRM Interaction center security functionality including integration with all major market CTI solutions.
- ❖ Provide security expertise around securing master and transactional data with respect to Lead, Opportunity, Pipeline Performance management(PPM), Quote, Activity, Territory Management
- ❖ Provide security expertise around securing master and transactional data with respect to Marketing, Campaign management, mail form, business partner Segmentation
- ❖ Provide security expertise around securing master and transactional data Account management, Organizational model, Products, Product Catalog
- ❖ Provide security expertise around securing master and transactional data and its interaction and data replication to and from ECC for quotation, sales orders, Master data
- ❖ Share working knowledge on SAP CRM ACE (Access Control Engine) Security model.
- ❖ SAP JAM – Netweaver Gateway, JAM Administration, Group Administration, JAM integration with CRM, Strategies on interfacing SF/JAM to CRM
- ❖ SAP SuccessFactor / BizX : Role-Based Permission, dealing with peoplesoft JOB CODES, JOB Functions, Managed User Permission Groups, Managed Role Permission Groups and Managed Target Groups. THIS WAS LATER SUNSET FOR WORKDAY.
- ❖ Mobile – Provided security guidance on mobile architecture and design using Agency. Accounts and Opportunities were being access by mobile applications based on various filter criteria

Deloitte and Touche, LLP, Minneapolis, MN, USA (2012 – 2013) *(Security Architect, Managing Global SAP security roll-outs, Client Strategy, Application Lifecycle Management, Deployments / Setups & Implementation of global project and Governance)*

Consultant, Enterprise Risk and Services (Security and Privacy)

Wal-Mart

- ❖ Helped Wal-Mart (Real FM/SRM project), integrate Plant Maintenance and SRM functionalities
- ❖ Helped Wal-Mart suppliers to perform maintenance services transaction and purchase order collaboration using SRM supplier portal
- ❖ As part of the Real Estate project enabled onboarding of 7000+ suppliers to SAP SRM
- ❖ Wrote technical and functional specs to custom build functionality to create supplier contact person in SUS using ALM automated scripts. Scripts were used to perform automated tasks
- ❖ Built enhancement allow for single point of supplier creation via a single form. This provided a single source of information to setup Contact Persons and SAP user IDs in both SRM systems (SUS and EBP)
- ❖ Wrote technical and functional specs to custom build functionality for mass creations of supplier /supplier contacts in SRM SUS
- ❖ Documented security role and portal role design. Custom built Security roles SUS/EBP and portal that included SRM PM BIDDER, SRM PM SUS SUPPLIER, SRM PM CRAFT SPECIALIST, SRM PM RFX APPROVER, SRM PM TECHNICAL SUPPORT and FM Maintenance Management
- ❖ SRM security roles are derived where possible on purchasing organizations
- ❖ Defined guidelines and built security around Surrogate Bidding
- ❖ Controlled SAP SRM 7.0 Enterprise Buyer security via ABAP Security Roles, Portal Security Roles and the user's assignment within the Organizational Structure.
- ❖ Authorization object areas of focus for SRM included: Personal Object Work List (POWL) iViews, SRM BBP Components and Business Transaction Types

- ❖ Effectively configured SAP compliance tools, including SAP Governance, Risk, and Compliance (GRC), to detect segregation of duties (SoD) and critical access conflicts within this non-transaction based environment
- ❖ ABAP Roles provide restrictions within the back-end SRM application and control the posting of transactions.
- ❖ Designed and built SUS, EBP and Portal roles as “reusable building blocks” so to promote a global security template
- ❖ Defined processes for SAP SRM integration with Retail Link
- ❖ Defined processes for vendor onboarding

Medtronic Inc., Mounds View, MN, USA (2011 – 2012) *(Basis Administration, Managing SAP environments, Client Strategy, Application Lifecycle Management, Deployments / Setups & Implementation of global project and Governance)*

Principle IT Technologist

- ❖ **Access Control GRC** : Support package upgrade of Access Enforcer 5.3 (Using JSPM) and reconfigured workflows
- ❖ **Access Control GRC (SUP)** : Configuration and support package upgrade of GRC Super Privilege Management
- ❖ **Access Control GRC (CUP)** : Configured LDAP integration with CUP 5.3
- ❖ **Access Control GRC (CUP)** : Enabled password self-service for SAP systems connected to CUP
- ❖ **VIRSA GRC (CUP)**: Installed Enterprise Portal RTA and software components to enable CUP to provision to NW Portal Systems
- ❖ **HANA** : Installed and upgraded HANA DMIS Add-on to CRM and BW systems for System Landscape Transformation (SLT)
- ❖ **HR**: On going maintenance and troubleshooting of HR Structural authorization driven security access provisioning model for one of the business for cardio vascular business using PA20, PA30, PO13 and user reconciliation to HR positions
- ❖ Performed Kernel and Support Package upgrades on CRM, ECC, GTS systems on DB2/AIX
- ❖ Performed post upgrade SPDD/SPAU activities for ECC EHP 5 and GTS systems
- ❖ Planned, directed and helped execute ECC EHP 5 upgrade. Also, documented approach on dual development landscape strategy
- ❖ Carried out the integration of the ECC 6.0 EHP4, CE 7.2 & EP 7.0, BW 7.3 & APO systems to talk to each other, including setting up of SSL, SSO, LDAP integration
- ❖ Carried out knowledge transfer and documentation handover to offshore teams for them to carry out operational support
- ❖ Led numerous efforts to apply Support Stack implementation across all SAP systems multiple times around the year.
- ❖ Defined timelines, procedures, meeting with the functional teams, expectation management, target stacks, detailed documentation and validation procedures. For this I usually led IBM offshore team of 4-5 Basis resources.
- ❖ Managed the FDA Validation process for the Basis team and also carried out trainings ensure that technical resources understand processes well. Also did audit on various procedural documents to ensure that processes were followed as expected.
- ❖ Did extensive sizing of the SAP systems using the **SAP Quicksizer** tool
- ❖ Carried out System refreshes, client copies, transport management using Solution Manager
- ❖ Imported and configured third party tools to work with SAP systems
- ❖ Helped document various single point of failures (SPOF) across SAP landscape and made upper management aware of the risks
- ❖ Managed a dedicated team of 4 onshore and 4 offshore IBM resources providing Basis support and also coordinated work with an extended Basis team
- ❖ Govern contract resources within a managed services model. Specifically, ensure appropriate processes/procedures are in-place and effective related to demand management, capacity planning, support, and service-level agreements.
- ❖ Responsible for setting, and executing toward, strategic direction across areas of responsibility
- ❖ Responsible for designing and delivering SAP solutions that are aligned with business requirements
- ❖ Work with project management and project teams to develop resource requirements, incorporate technical tasks in the overall project plan, and confirm technical scope ensuring fit of requirements into SAP architecture.
- ❖ Frequent contacts with various management levels concerning project scoping, estimates, and execution
- ❖ Collaborate to develop/confine processes that intersect with managed services and our applications
- ❖ Institutionalize architecture and environment strategies (SAP archiving, Solution Manager Upgrade, refresh/creation, release management, enhancement/service packs, etc.)
- ❖ Ensured appropriate frequency and content of communications including those related to outages, project go-lives, service requests, upgrades, Side-Effect Reports, Support package strategy and process team regression testing responsibilities.

Technology - SAP Enterprise Portal 7.0 (CRM 7.0, MDM 5.5 and BI 7.0), CE 7.2, SAP GTS, SAP CRM, SAP xApps (XMII), R3 (SD/FICO), AC VIRSA / GRC, SAP XI, SAP BI, SAP APO/SCM, SAP SNC 5.1 and SAP MDM 7.1 SP06 (Customer Master) and SRM

Medtronic Inc., Mounds View, MN, USA (2010 – August 2011) *(Basis Administration, Security Architect, GRC Implementation and Configuration, Support Package Implementation, Transport Management Client Strategy and Process Standardization and Control)*

Principle IT Business Systems Analyst

- ❖ **Access Control GRC:** Configure technical connections and design custom rule sets specific to local ERP systems.
- ❖ **Access Control GRC:** Integration ERP systems with CUP for Risk analysis for user & role provisioning
- ❖ **Access Control GRC:** GRC 5.3 Enhancements: Changed Configuration to remove Self-service Approver Delegation in CUP, customized screen layout, headers and URLs within AC
- ❖ **Access Control GRC:** Configure role defaults feature for access requests in CUP
- ❖ **Access Control GRC:** Configured Escape routes in CUP workflows.
- ❖ **Access Control GRC:** Support and administer SPM and CUP
- ❖ **MDM :** Upgrade of MDM 5.5 to 7.1 SP06, redesign of security architecture and controls
- ❖ **MDM :** Security architect for Customer Master implementation with SAP MDM 5.5 and EP
- ❖ **MDM :** Set up and configuring connection between MDM and EP (System and Alias)
- ❖ **MDM :** Policy and compliance architect for SAP MDM corporate architecture
- ❖ **MDM :** Developed source system specific MDM Console security roles by using advanced MDM functionality of constraints
- ❖ **MDM :** Helped architect design strategy for web services creating customers on MDM using web services through legacy system (Expense Express)
- ❖ **GTS :** Upgrade and security lead for global roll out of SAP Global Trade System
- ❖ **GTS :** Facilitated compliance and adherence to global trade policies and regulations by architecting stringent security policies
- ❖ **Cutover/Hyper-Care :** Coordinated and devised project rollout plans and support strategies
- ❖ **Basis System Refreshes:** Performed numerous system refreshes for SNC, GTS, SRM and APO systems. Hands-on skills with AIX and DB2 to help facilitate system refreshes.
- ❖ **NetWeaver Java Patching :** Applied support packs to NW Java systems using JSPM
- ❖ Assisted with SLD configuration, creating technical systems for both WAS JAVA, and WAS ABAP.
- ❖ Assisted with configuration of SSO using UIDPW and Logon Tickets.
- ❖ Developed and configured permissions on portal content and security zones
- ❖ Created security policies and procedures or uploading roles from ABAP-based systems to SAP EP
- ❖ Protected portal content by implementing Security Zones and ACL permissions
- ❖ Transporting of Portal Content and deployed of (.SDA, .SCA, .EPA, .EAR, .JAR, .WAR) files by SDM
- ❖ Implemented Backup and Recovery for SAP Enterprise Portal.
- ❖ Assisted in integrating Microsoft Exchange Server into SAP Enterprise Portal.
- ❖ UME (User Management Engine) configuration with ABAP user management, LDAP and Database.
- ❖ Installing Support Packages for SAP Web Application Server JAVA.
- ❖ Installing corrections for JAVA Applications using SDM Offline tool and SDM Online tool.
- ❖ Setting up of CCMS monitoring and portal monitoring.
- ❖ Assisted in configuring KMC (Knowledge Management and Collaboration).
- ❖ Performed system administration tasks for the Knowledge Management Platform.
- ❖ Configured and implemented Content Management.
- ❖ Assisted basis configure SLD (System Landscape Directory).
- ❖ Collaborated with basis team in the installation and configuration of NWDS.

Technology - SAP Enterprise Portal 7.0 (CRM 7.0, MDM 5.5 and BI 7.0), CE 7.2, SAP GTS, SAP CRM, SAP xApps (XMII), R3 (SD/FICO), AC Virsa GRC, SAP XI, SAP BI, SAP APO/SCM, SAP SNC 5.1 and SAP MDM 7.1 SP06 (Customer Master) and SRM

Medtronic Inc., Mounds View, MN, USA (2007 – January 2010) *(Basis Administration, Security Architect, Portal Implementation and Configuration, Support Package Implementation, Transport Management Client Strategy and Process Standardization and Control)*

SAP Security Architect and Basis Consultant

Technology - SAP Enterprise Portal 7.0 (CRM 7.0, MDM 5.5 and BI 7.0), CE 7.2, SAP GTS, SAP CRM, SAP xApps (XMII), R3 (SD/FICO), AC Virsa GRC, SAP XI, SAP BI, SAP APO/SCM, SAP SNC 5.1 and SAP MDM 7.1 SP06 (Customer Master) and SRM

- ❖ **CRM** : Upgrade of CRM 5.0 (PCUI) to 7.0 (Web UI), redesign and implementation of new security model pertaining to Business Roles and Authorization roles
- ❖ **CRM** : Design of UI launch transactions and UI design / control
- ❖ **CRM** : Provided superior security design and insight into the implementation of global complaint handling solution with SAP CRM 5.0
- ❖ **CRM** : Implemented CRM business package into SAP EP 7.0
- ❖ **CRM** : Facilitated the adoption of intricate security authorization workflow within SAP CRM 5.0
- ❖ **Archiving** : Helped Medtronic archive seven years of data using 5 archive objects using DART – Data Archiving Retention Tool (LiveLink) project which is a prerequisite for data archiving
- ❖ **ECATT scripts** : Assisted business and security team transition from CATT to ECATT by converting scripts to ECATT
- ❖ **XMII** : Implemented XMII at 3 Medtronic locations to integrate plants to enterprise systems and facilitated display of integrated data to business users at plants and manufacturing sites
- ❖ **XMII** : Set up Single Sign On (SSO) between XMII and SAP 4.7, where SAP 4.7 UMR was used for authentication and authorization
- ❖ **XMII** : Facilitated the UME assignment of services to roles and roles to end-users by providing a superior and robust security design
- ❖ **BI** : Assisted BI modeling team with the implementation of sales management hierarchies
- ❖ **BI** : BI modeling experience with emphasis in multiprovider, report and query design
- ❖ **BI** : Assisted with the upgrade of BI from 3.5 to 7.0 using analysis authorization
- ❖ **BI** : Integrated BI security roles with portal by uploading BI menu roles into enterprise portal
- ❖ **SNC** : Worked with SAP to implement SNC 5.1 as a ramp-up customer
- ❖ **SNC** : Implemented Supply Network Collaboration 5.1 as part of SAP's ramp-up customer
- ❖ **SNC** : Implemented SNC to replace SupplyOn using ICH 4.1 and ISupply with Tradebeam for JDE
- ❖ **SNC** : Developed and implemented security and access controls around Web user interface (WEB UI) which uses Web Dynpro technology (WD4A)
- ❖ **EP** : Experience in installation and configuration of SAP Enterprise Portal with SAP Systems
- ❖ **EP** : Licensing of the SAP J2ee Engine and SAP Enterprise Portal
- ❖ **EP** : Admin tasks using Visual J2EE Admin and Config Tool, System Analyzer, SDM and Log Viewer
- ❖ **EP** : Experienced in Portal Administration including User Administration, Content Administration and System Administration
- ❖ **EP** : Generated URL IView, SAP WebDynpro IView, SAP BSP IView, SAP Transaction IView
- ❖ **EP** : Batch Import of Users, Groups, Roles data into Portal.
- ❖ **EP** : Customized Portal Display and Branding by applying Themes, Desktops and Master Rule Collection.
- ❖ **EP** : Assisted with architecting a federated and global portal design.
- ❖ **EP** : Configured self-registration and Setting up of anonymous access.
- ❖ **EP** : Integration of SAP systems like SAP R/3 4.7, BI, CRM and MDM into Portal.
- ❖ **EP** : Importing/Exporting Transport packages from Development server to Testing server.
- ❖ **EP** : Worked with Visual composer by calling data services [BAPI and Web Services].
- ❖ **EP** : Installing and Configuring Visual Composer.

Technology - SAP Enterprise Portal 7.0 (CRM 7.0, MDM 5.5 and BI 7.0), CE 7.2, SAP GTS, SAP CRM, SAP xApps (XMII), R3 (SD/FICO), AC Virsa GRC, SAP XI, SAP BI, SAP APO/SCM, SAP SNC 5.1 and SAP MDM 7.1 SP06 (Customer Master) and SRM

Deluxe Corporation, Shoreview, MN, USA (2005 – 2007) (Security Design, Security upgrade, End-user Training, Role Testing, Audit, VIRSA/GRC approval workflow configuration and process management and Transport Management)

SAP Security Consultant

Technology - SAP Enterprise Portal 7.0 (CRM 7.0, MDM 5.5 and BI 7.0), CE 7.2, SAP GTS, SAP CRM, SAP xApps (XMII), R3 (SD/FICO), AC Virs GRC, SAP XI, SAP BI, SAP APO/SCM, SAP SNC 5.1 and SAP MDM 7.1 SP06 (Customer Master) and SRM

- ❖ Acting as a subject matter expert (SME) and a trusted advisor for SAP security related issues
- ❖ Facilitated and oversaw security upgrade from 4.6C to ECC 5.0
- ❖ Security architect and project facilitator for **Ebydos (AP Invoice Cockpit and Web Cycle)**
- ❖ Architected a job role based approach for profit center accounting (PCA). Finance users were accessing transactions through multiple business roles, which also gave them access to many redundant transactions. A thorough analysis was performed on PCA group; firstly, by classifying users based on the business processes they support and then to perform a trace on each of these users to determine what transactions they have executed over the past couple of months, which roles support like business processes and lastly compiling a list of transactions from user's favorites menu.
- ❖ Involved in SAP Security administration for R/3 and BW, with working knowledge of Portals
- ❖ Created both single roles and composite roles for modules such as **SD, MM, HR and FI** etc using **automatic profile generator (PFCG)**
- ❖ Used **User Exits, Authorization Groups** and **Field Exits** for additional security
- ❖ Also worked on **CATT** scripts for user creation, user deletion, role replications, role deletion, generate profiles and assigning roles to users, adding parameters to users, etc.
- ❖ Leveraged CUA to manage identities across the enterprise
- ❖ Deploy reports for SD and FI modules and also security role design related to report displays at various sales organizations, distribution channels and divisions for a global company spread across several company codes and controlling areas to get a feel of roles vs. tcodes vs. org levels
- ❖ Collaborated with SD development team to use 'reserve fields in sales data of the customer master record – Additional data A' to flag sales orders (VA01, VA02 and VA03) for fraud and act of suspicion. Here Data Elements were renamed and appropriate USER EXITS (CMOD/SMOD) were deployed to suit business requirements
- ❖ Provided business with restricted access to BDOCs; where SMW01 was restricted in CRM for auth object CRM_MW_FC (Middleware Flow Control) to be able to reprocess and release queue but no delete was permitted
- ❖ Working in a multi production client environment where material changes are ALE'd from one client to another
- ❖ Promoted business education by acting as a liaison between SAP security and end users; Example: helped users understand the difference b/w customizing and application tables and how table delivery classes are defined under SE12. All customizing changes are performed in developed and transport upstream through a formal change request process.
- ❖ Worked on the security audit project in the 4.6C landscape
- ❖ Worked with auditors on proposing and suggesting rules for finding out users that are assigned the transactions identified by auditors.
- ❖ Worked extensively with process experts on **Segregation of Duties (SOD)** issues.
- ❖ Modify existing activity groups to make them compliant with SOD.
- ❖ Developed user role matrix as a techno-functional security administrator to translate business requirements to SAP job roles for R/3 SD and CRM (call centers)
- ❖ Enforced and implemented job Role Based Access (RBA) concept to R/3 SD and CRM, where a user was only assigned one role based on his/her job function.
- ❖ Collaborated with functional team to apply numerous SAP Notes, User Exits and Field Exits for stepped up business data security and privacy requirements. Example: helped solve business requirement where call center users were not supposed to see pricing tab while creating/changing/displaying sales orders (VA01,VA02,VA03)
- ❖ Insured strict compliance to **Graham Leach Bliley (GLB)** and **Sarbanes-Oxley (SOX)** acts for financial institutes; worked hand in hand with internal/external audit and data privacy office for compliance documentation and client data protection.
- ❖ Secured critical business tables by logically assigning them to table authorization groups; discouraged business from having direct table maintenance/view transactions SM30, SM31, SE16 and SE17; developed custom transactions calling SM30 and SE16 for table maintenance/view.
- ❖ Strictly restricted the use of SE38 in production by assigning programs/reports to program authorization groups, developed custom transactions using SE93 and encouraged ABAP programmers to use Authority-Checks in program codes.
- ❖ Security administration for national employee training sessions; used CATT scripts for user creation, user deletion, roles replications, role deletion, generating profiles and assigning roles to users, adding parameters to users, etc.
- ❖ Extensively worked on SAP third party tool: **VIRSA Firefighter Assessment Tool (FAT) and Risk Assessment Tool (RAT)**; fine-tuned VIRSA (VRAT) SOD TCODE matrix to include newly developed custom transactions, used VFAT to grant emergency access to transactions outside user's usual domain to assist in debugging and troubleshooting problems

- ❖ Coordinated and administered vigorous System Integration Test and User Acceptance Test on 80 newly developed SD and Call Center roles for hitch free go-live using ST01, SU53 and SUIM.
- ❖ Applied SAP notes to fix issues with transactions PFCG and SUPC, when attempting to regenerate the existing authorization profile of a role that contains a large number of transactions (size: more than 10,000). In dialog mode, the generation process used to fail with a runtime error because of a timeout. If it was started in the background (SUPC), it had to be terminated manually at some point.
- ❖ Worked on SOX Compliance and minimized SOD issues on Tcode and auth object level for both technical (e.g. SE16, SE38, SM35, SM36, S_DEVELOP etc.) and business (e.g. VA01, FB01, ME21N etc.) aspects of the SAP landscape.
- ❖ Fixed similar issues with transaction SUIM, S_BCE_68002041 or report RSUSR010 used to determine the quantity of the transactions that can be executed with a role. However, the selection used to terminate with the message 'There is no profile for the role', although there was a generated profile or several generated profiles for the role. This issue was also interfering with role VIRSA runs. Worked with IT System Administration team for the application of SAP notes

Technology - SAP ECC 5.0, SAP R/3 4.6C and 4.7 Ext. set 2.00, SAP BW 3.5, SAP CRM 4.0, Oracle 9.2.0.6.0, SunOS

Other IT projects and initiatives