##### PROFESSIONAL SUMMARY

* **18 years** of **software engineering** experience in all aspects of Software Development Life Cycle (SDLC) including Requirements, Modeling using UML, Design & Development, Coding, Database Design, GUI Design, Debugging, Documentation and maintenance of Business applications in Web Server / Client.
* **Expertise in:**
  + Designing, Architecture and developing highly scalable, extensible, and maintainable software products and enterprise applications from the ground up, using industry standard tools, techniques, and methodologies
  + 8 years of Expertise in **Microsoft Azure**, **App Services, API Gateway, API Management, Azure Migrate, Azure Site Recovery (BCDR)**
  + **Microsoft** **Power Automate** (Flows), **PowerApps**, **Logic** **Apps**, **Azure** **Functions, Azure App Services, Event Hubs, Service Bus**
  + 5 years of expertise in **Azure Active Directory Business to Consumer (B2C), Identity Experience Framework**
  + 15 years of expertise in **SharePoint Server 2019/2016, Office 365/ SharePoint Online, SharePoint Framework (SPFx),** Provider Hosted **Apps** **for** **SharePoint** for **Office 365**
  + Designed and edited blueprints for IT infrastructure and networking architecture according to management’s demands.
  + Monitored existing infrastructure and architectural frameworks for performance and made changes and updates when necessary.
  + Kept up to date with latest industry knowledge and news to maintain and improve enterprise and business platforms.
  + Communicated target architectural plans and company roadmaps across all departments.
  + Performance engineering on large web applications to identify (potential) bottlenecks, using industry standard tools and techniques.
  + Mentoring software professionals from varied software background on Object-Oriented Design & Development
  + Ensuring technical quality of the deliverables by strictly following technical standards and best practices for software development in all phases of SDLC as a Subject Matter Expert (SME)
  + Coordinating with all resources and stakeholders, planning and setting milestones, assigning responsibilities and monitoring, summarizing and communicating the progress of the project.
  + Responsible for resource management, retention and hiring, performance assessment for the team productivity.
* **Experience in:**
  + 18 years of working experience in **Microsoft .Net Technologies**: **ASP.Net, VB.Net, C#, ADO.Net, XML, Web Services, Ajax, JavaScript, jQuery, CSS 3.0 and HTML 5**
  + **Experience** in developing HTML5 SPA applications with **Angular.js and Knockout.js** frameworks
* **Working knowledge in:**
  + **Xamarin Mobile Development, Azure HDInsight**, Big Data using Apache **Hadoop** with .Net Framework, Azure Data Lake
  + **Internet of Things** development with Microsoft .Net Micro Framework
  + Knowledge of project management framework and methodology, including Agile & Scrum
* Excellent communication skills, good interpersonal skills and a very good team player, capable of working independently and managing a team independently.

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| CORE TECHNICAL SKILLS | |
| Cloud Computing (Microsoft Azure) | Azure SQL, BLOB Storage, App Services, Key Vault, Recovery Services Vault,  Azure Virtual Machines, Azure Data Lake, API Management, API Gateway  Azure Data Factory, Azure Data Bricks, CDN, AKAMAI, IaaS, SaaS, PaaS,  Functions as a Service, AD B2C, ARM, Terraform |
| Scripting | Python, PowerShell |
| Languages/ API | C#, Java Scripting, HTML5, Web Services, AJAX, XML, XSLT, jQuery, Python |
| .Net Technologies | ASP.NET, ADO.NET, WPF, WCF, PowerShell |
| Frameworks | .NET Core, .NET Framework, AngularJS, KnockoutJS, ReactJS, Node |
| RDBMS | Microsoft SQL Server 2000 / 2005/ 2008/ 2010 / 2012 |
| Portal Technologies | SharePoint Server 2019/ 2016/ 2013 / 2010, MOSS 2007, Microsoft SPS 2003 |
| Form Services | Microsoft Office InfoPath 2007/ 2010 / 2013, K2 Smart Forms, PowerApps |
| Workflows | Workflow Engine, Windows Workflow Foundation, SharePoint Designer Workflows, K2, Nintex Workflows, Microsoft Flow/ Power Automate |
| DevOps | Azure DevOps , Jenkins, Team Foundation Server, VSS, Subversion (SVN), GitHub, |

##### EDUCATION & CERTIFICATIONS

* Bachelor’s Degree in Mechanical Engineering from Andhra University (2001 – 2005)
* Microsoft Certified Solution Developer: SharePoint Applications (Microsoft Certification ID: 9919775)
  + [070-480] *– Programming in HTML5 with JavaScript and CSS3*
  + [070-486] *– Developing ASP.NET MVC 4 Web Applications*
  + [070-488] *– Developing Microsoft SharePoint Server 2013 Core Solutions*
  + [070-489] *– Developing Microsoft SharePoint Server 2013 Advanced Solutions*
* Microsoft Certified Technology Specialist
  + [070-542] *- Microsoft Office SharePoint Server 2007, Application Development*
  + [070-630] *- Microsoft Office SharePoint Server 2007, Configuration*

##### PROFESSIONAL EXPERIENCE

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| **Avani Technology Solutions**  ***Client*: Microsoft and *Ford Motors, Detroit, MI* April 2023 to Present**  *Azure B2C Security Architect* |

##### Project Name : Migration from IBM SV to Azure Active Directory B2C

**Project Summary**:

* Provide single source-of-truth for online identity for members and non-member web accounts using Azure Active Directory Business to Customer as Identity Access Management solution, capable of supporting millions of users and billions of authentications per day.
* Improved and consistent sign-up and sign-in experience across web properties that provides an improved member experience.
* Migrate user identities from IBM SV to Azure AD B2C

**Role/Contribution:**

* Planning and designing **AAD B2C architecture** that can cater 60 million Users.
* Planning and designing Azure App services, Resource groups, ARM templates, Blob Storage, Application Insights.
* Configuring Azure Active Directory B2C tenant and proxy applications for implementing **custom policies** of **Identity Experience Framework**
* Granting necessary permission for **Microsoft Graph** in ProxyIdentityExperienceFramework and IdentityExperienceFramework applications, to perform read write operation to the AD tenant via user impersonation.
* Developed custom policies for **Identity Experience Framework (IEF)**, base (TrustFrameworkBase.xml), extension (TrustFrameworkExtensions.xml), Relying party (SignUpOrSignin.xml, ProfileEdit.xml, PasswordReset.xml) files for Local Accounts as identity providers.
* Built custom **User Journeys, Orchestration steps, Technical profiles**, adding them as output claims in SelfAsserted Technical profiles, Content Definitions, **Display Controls**
* Claims transformation to custom claims, JSON transformations, case change, conditional value.
* **Custom UI** to match the company branding and design guidelines, and hosting them in Azure Blob storage for access via Azure Front Foor and Akamai for WAF
* **REACT** basedclient-side development and integrating with **MSAL.js** libraries for SPA authentication.
* UX customizations using custom claim types, Regex input validation, Validation Technical profiles, Password complexity for seamless experience with branding for web and mobile experience.
* **Display Controls** for sending verification code, email verification, custom email, and dependent One-time password (OTP) generation, along with verify code.
* Migration Engine for pre-populating Millions of users from IBM SV to Azure AD B2C using MASL Python libraries
* Continuous Integration, Delivery and Release management with **Azure DevOps**
* Designing and implementation of Azure managed services **Azure Front Door, Azure Application Gateway, Azure Traffic Manager, Azure APP services**

**Technologies : Azure AD B2C, Microsoft Azure, C#, Microsoft Graph API, Identity Experience Framework, Python, ReactJS**

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| **Avani Technology Solutions**  ***Client*: *National Grid USA, Waltham, MA* Sep 2020 to April 2023**  *Technical Architect* |

##### Project Name : Unified Web Portal with Azure Active Directory B2C

**Project Summary**:

* Provide single source-of-truth for online identity for members and non-member web accounts using Azure Active Directory Business to Customer as Identity Access Management solution, capable of supporting millions of users and billions of authentications per day.
* Improved and consistent sign-up and sign-in experience across web properties that provides an improved member experience.
* Migrate user identities from Siebel to Azure AD B2C

**Role/Contribution:**

* Planning and designing **AAD B2C architecture**.
* Planning and designing Azure App services, Resource groups, ARM templates, Blob Storage, Application Insights.
* Configuring Azure Active Directory B2C tenant and proxy applications for implementing **custom policies** of **Identity Experience Framework**
* Granting necessary permission for **Microsoft Graph** in ProxyIdentityExperienceFramework and IdentityExperienceFramework applications, to perform read write operation to the AD tenant via user impersonation.
* Developed custom policies for **Identity Experience Framework (IEF)**, base (TrustFrameworkBase.xml), extension (TrustFrameworkExtensions.xml), Relying party (SignUpOrSignin.xml, ProfileEdit.xml, PasswordReset.xml) files for Local Accounts as identity providers.
* Built custom **User Journeys, Orchestration steps, Technical profiles**, adding them as output claims in SelfAsserted Technical profiles, Content Definitions, **Display Controls**
* Claims transformation to custom claims, JSON transformations, case change, conditional value.
* **Custom UI** to match the company branding and design guidelines, and hosting them in Azure Blob storage for access via Azure CDN (Akamai)
* **REACT** basedclient-side development and integrating with **MSAL.js** libraries for SPA authentication.
* UX customizations using custom claim types, Regex input validation, Validation Technical profiles, Password complexity for seamless experience with branding for web and mobile experience.
* **Display Controls** for sending verification code, email verification, custom email, and dependent One-time password (OTP) generation, along with verify code.
* Custom Rest API to integrate with custom services for interacting with LOB applications.
* Securing restful services with **Client Certificate authentication** and Basic authentication, RSA encryption and decryption
* Defined custom attributes for storing custom defined information as custom claim, attaching to B2C custom extensions app, claim resolvers to transfer data via query strings to IEF and Rest API.
* Microsoft Graph endpoints for Get user, create user with identities, update user, delete user, register/update extension properties.
* Migration Engine for pre-populating 60+ Million users from Siebel to Azure AD B2C using MASL Python libraries

**Technologies : Azure AD B2C, Microsoft Azure, C#, Microsoft Graph API, Identity Experience Framework, Python, ReactJS**

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| **Avani Technology Solutions**  ***Client*: *Costco Wholesale Corporation, Miami, FL* Jul 2019 to Dec 2020**  *Technical Architect* |

##### Project Name : Universal SSO Authentication Azure Active Directory B2C

**Project Summary**:

* Provide single source-of-truth for online identity for members and non-member web accounts using Azure Active Directory Business to Customer as Identity Access Management solution, capable of supporting millions of users and billions of authentications per day.
* Improved and consistent sign-up and sign-in experience across web properties that provides an improved member experience.
* SSO to be seamless and not to change much of the current user experience
* Incrementally populate the user credentials sourced from eCommerce system to a modernized, cloud-based identity platform designed for B2C functions.
* Migrate Costco user identities from WebSphere Commerce DB to Azure AD B2C on first sign-in

**Role/Contribution:**

* Planning and designing **AAD B2C architecture** that can cater 60 Million Users
* Planning and designing Azure App services, Resource groups, ARM templates, Blob Storage
* Configuring Azure Active Directory B2C tenant and proxy applications for implementing **custom policies** of **Identity Experience Framework**
* Granting necessary permission for **Microsoft Graph** in ProxyIdentityExperienceFramework and IdentityExperienceFramework applications, to perform read write operation to the AD tenant via user impersonation
* Developed custom policies for **Identity Experience Framework (IEF)**, base (TrustFrameworkBase.xml), extension (TrustFrameworkExtensions.xml), Relying party (SignUpOrSignin.xml, ProfileEdit.xml, PasswordReset.xml) files for Local Accounts as identity providers
* Built custom **User Journeys, Orchestration steps, Technical profiles**, adding them as output claims in SelfAsserted Technical profiles, Content Definitions, **Display Controls**
* claims transformation to custom claims, JSON transformations, case change, conditional value
* **Custom UI** to match the company branding and design guidelines, and hosting them in Azure Blob storage for access via Azure CDN (Akamai)
* **REACT based DOM manipulations**
* UX customizations using custom claims types, Regex input validation, Validation Technical profiles, Password complexity for seamless experience with branding for web and mobile experience
* **Display Controls** for sending verification code, email verification, custom email and dependent One-time password (OTP) generation, along with verify code
* Custom Rest API’s to integrate with custom services for interacting with LOB applications and InfoBip Email service
* Securing restful services with **Client Certificate authentication** and Basic authentication, RSA encryption and decryption
* Writing all trace info to application insights, from IEF & Azure App Service
* Defined custom attributes for storing custom defined information as custom claim, attaching to B2C custom extensions app, claim resolvers to transfer data via query strings to IEF and rest api
* **JWT** validation with public keys, expiration date and nonce
* Microsoft Graph endpoints for Get user, create user with identities, update user, delete user, register/update extension properties
* Seeding tool for pre-populating 60+ Million users from DB2 to Azure AD B2C using MASL Python libraries
* Performed Data Mining and analysis activities with the Costco user base using Pandas for Python, for determining active/inactive users, categorize based on business models, regions etc.

**Technologies : Azure AD B2C, Microsoft Azure, C#, Microsoft Graph API, Identity Experience Framework, Python, Pandas, ReactJS**

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| **Avani Technology Solutions**  ***Client*: *Conviva Care Solutions (Humana Inc.), Miami, FL* Jun 2018 to Jul 2019**  *Project Manager* |

##### Project Name : Transition from Humana Inc

**Project Summary**:

Conviva being an individual entity from Humana, there are many applications and processes to be transitioned, which includes establishment of infrastructure and all basic needs across the organization. On part of this rolling out, Collaboration and communication platform employing Office 365, Microsoft Azure, SharePoint online, Exchange Online & Microsoft Teams, along with custom applications development is my responsibility

**Role/Contribution:**

* Define project scope, goals, timeline and milestones, and review with other stakeholders
* Assign responsibilities to rollout team and clearly communicate expectations
* Ensure coordination of network launch, communications, and end user engagement activities
* Coach, mentor, motivate, and supervise project team members and resolve rollout issues/conflicts
* Create a team site to keep tabs on the rollout project plan and timescales, share status updates, and delegate responsibilities
* Evangelize Office 365 and the business value across teams, identify opportunities to streamline business practices with **Office 365**
* Office 365 Pro-Plus, **Exchange Online** and **SharePoint online migration**
* Azure Active directory synchronization with On-Premises Active Directory, management of Users and their Office 365 Licenses, Single Sign-On using **Azure Active Directory PowerShell**
* Implement **Microsoft Teams** & Skype for Business for collaboration and real time information sharing across organization
* Configure DPL and implement HIPPA compliance
* Client-side development with **SharePoint Framework** (jQuery, React, Angular) and **Office-PnP**
* **Microsoft Flow** for workflows and **PowerApps** for SharePoint customization across multiple platforms
* Development of Change Management, Asset Management & Project Intake Systems as **SharePoint Apps**
* Continuous Integration and Release management with **Azure DevOps**
* Data Visualizations using **Power BI** and data being pulled from **On-Premises SQL Datawarehouse**, **Workday** etc.
* Implement & Train Agile methodologies across the teams

**Technologies : Office 365, Microsoft Azure, C#, Skype for Business, Microsoft Teams, Exchange Online, SharePoint Online, SharePoint Framework, React, Typescript**

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| **Avani Technology Solutions**  ***Client*: *Standard and Poor’s, NYC*  Dec 2016 to Jun 2018**  *Office 365 Lead* |

##### Project Name : Content Authoring and Publishing Platform Upgrade

**Project Summary**:

Upgradation of the Content Authoring and publishing platform to make cloud ready and modernization of the existing legacy application, to cater the future needs and demand.

**Technologies : Office 365, C#, Angular2, TypeScript, OfficeJS, OpenXML SDK, Azure API Services, Azure Service Bus and Relays, Azure Service Fabric**

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| **Avani Technology Solutions**  ***Client*: *Microsoft, Global Delivery*  Sep 2014 to Nov 2016**  *SharePoint Consultant* |

##### Project Name : Royal Dutch Shell

**Project Summary**:

Implementing “Cloud Ready” MMS Replication solution is the high-level objective, where this functionality provides users, the ability to perform Create/Modify/Delete operations on Managed metadata which is stored in a central source Office 365 farm.

High level Scope of the MMS Replication module

* Managed Metadata Replication Manager a web-based tool to allow users to manage term-sets
* A daily replication job that will ensure Managed Metadata in all SharePoint farms are identical to the Office 365 Managed Metadata store

##### Project Name : Los Angeles Unified School District

**Project Summary**:

Single page application using ASP.Net MVC, KnockoutJS, Web API, Entity Framework, Azure SQL, HTML 5, CSS 3.0, Azure Service Bus, Web Jobs

**Role/Contribution:**

* Application development
* SME - Review Test Cases, Code Walkthrough, Code reviews with business owners

##### Project Name : DuPont, Philips, BP

**Project Summary**:

Migration of SharePoint 2010 to Office 365/ SharePoint Online using **Metalogix** and **PowerShell** scripting.

Migration includes up to two level sub sites with structure and content migration of the site.

**Role/Contribution:**

* Pre-evaluation of content and customizations for migration
* Creating **Seed jobs** for migration of Site Structure, Site Objects, Site Content and its respective configurations
* Custom tools for validation of migrated content and reporting, while comparing target and source sites
* **PowerShell scripts with CSOM** for validation and operations like feature activation and deactivation, adding and removing web parts on pages, deleting webs, extracting metadata from wsp’s and uploading sandbox solutions for creating new SharePoint 2013 templates etc.
* Analyze the failures and create generic remediation steps.
* Smoke testing of migrated content or completed jobs

##### Project Name : CDMS

**Project Summary**:

Single page application using ASP.Net MVC, AngularJS, Web API, Entity Framework, Azure B2C, Azure SQL, HTML 5, CSS 3.0, Azure Service Bus, Web Jobs

**Role/Contribution:**

* Application development

##### Project Name : DCMPD

**Project Summary**:

Single page application using ASP.Net MVC, KnockoutJS, Web API, HTML 5, CSS 3.0, ESRI Maps

**Role/Contribution:**

* Application development

**Environment: Platform : Windows Server 2012**

**Technologies : SharePoint 2013, Office 365, C#, Ajax, jQuery, Web API**

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| **MCGI Tec**  ***Client: Knights of Columbus, New Haven, CT* Jul 2013 to July 2014**  *Distributed Apps Team Lead* |

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| **Experis US Inc. Jan 2012 to Jul 2013**  **Fabergent Inc. Jul 2010 to Sep 2011**  ***Client: T. Rowe Price, Baltimore, MD***  *SharePoint Team Lead* |

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| **Hidef Technologies**  ***Client: Sealy Corporation, Trinity, NC* Mar 2010 to Jul 2010**  *SharePoint Analyst* |

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| **Path Infotech, Noida India**  ***Client: EXL Service Holdings Inc* Jan 2009 to Feb 2010**  *SharePoint Team Lead* |

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| **Hidef Technologies**  ***Client: American Express, Phoenix, AZ* Sep 2008 to Dec 2008**  *Project Module Lead* |

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| **Skelta Software Inc., India**  ***Client:*** *Microsoft and Path Infotech, India* **Mar 2008 to Jun 2008**  ***Client:*** Skelta Software Inc., India **Dec 2007 to Feb 2008**  ***Client:*** *Nestle India*  **Jun 2007 to Nov 2007**  *Senior Software Engineer* |

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| **ManSoft Microsystems**  **Client:** Microland **Jun 2007 to Aug 2007**  **Client:** Roland Corporation **Dec 2006 to May 2007**  **Client:** SISA Information Security (P) Limited, India **Apr 2005 to Nov 2005**  *Software Developer* |