Sr. .Net Technical Architect

SANDIP DAWARE

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Professional Summary

Sr. .Net Technical Architect with 18+ years of experience with an in-depth knowledge of Microsoft technologies and solutions; can evaluate systems, identify lapses with the current infrastructure, develop and recommend the right solution and governance. Strong experience in designing, developing, and supporting N-tier distributed Microservices, Service Oriented Architecture (SOA) architecture with cloud services.

Profile: -

- Hands on experience as Architect / Technical Lead/ Software Engineer / in Design, Development, Testing, Deployment and Support of Full Stack Solutions/ Applications using Microsoft Technologies
- Strong understanding of N-Tier architecture with application scalability, availability, extensibility, and integrity.
- Transforming legacy monolithic application into a suite of Microservices using .Net Core and laid the groundwork for traffic scale etc.
- Helping the team to identify domain services.
- Creating architecture diagrams, data models, API specs, Microservice definitions, and high-level solution designs
- Experience working on multi-tenant product with ability to customize as per client demand.
- In-depth knowledge of architecture patterns like N-Tier, SOA, design patterns and object-oriented principles.
- Experience working with Azure services: Azure storage (table, blob, queue), Azure Messaging Service, Key vault, AZ SQL, Cognitive Services.
- Writing and managing Azure DevOps (CI-CD) pipelines and methodology.
- Designing and developing Test Automation frameworks.
- Demonstrable knowledge of security technologies, user authentication, access control, encryption, working knowledge of data protection and encryption, secure application, and other best security practices.
- Knowledge of PCI-DSS and OWASP security standards along with fixing Pentest security findings.
- Major contributor to the design SAML security model for SSO implementation.
- Knowledge of GOF Design Patterns, SOLID, Architecture patterns like N-Tier, Microservices, Microkernel, SOA, Event Driven etc**.**
- Expert level skills in developing JSON based HTTP REST web API, Web Services, WCF services in .Net.
- Good knowledge in Database development and proficient in writing database Stored Procedures, Triggers, cursors and Complex queries in MS SQL Server. Extensive experience in SQL Server Database design, Database maintenance, developing T-SQL queries, DTS Packages, stored procedure, triggers, fine tuning performance.
- Efficiently used the database Connectivity API's (ADO, ADO.Net, LINQ, EF Core, Dapper) in Client Server and Web Applications.
- Created user-defined functions, tables, databases, indexes, stored procedures, views, triggers, cursors using T-SQL.

Other Skills: -

- Good Experience in full Software Development Life Cycle (**SDLC**) from inception to peak/delivery of project / product.
- Worked on **Agile** Software Development methodology based on iterative and incremental development.
- Participated in Daily **Scrum**, **Sprint** Planning and Sprint Review meetings
- Promoter of team collaboration, agile programming practices, ongoing training, and personal development.
- Motivated & determined to deliver productive high quality, complete deliverables within deadlines with minimal supervision.

Skill Set:

Microsoft Technologies and Related Tools	.Net Framework/Core 2.0/3.0/3.5/4.0/4.5/4.6/4.7, 2.0, 3.0 5, 6 C#.Net, ADO.Net, ASP.Net, VB.Net, MVC5, LINQ Visual studio 2005/2008/2010/2012/2013/2017/2019/2022 Azure DevOps, Logic Apps, Service Bus, Cognitive Services, SQL DB, Vault Storage, App, Cosmos, API Management
Web Technologies	HTML, HTML5, XML, XSLT, SOAP, JavaScript, AJAX, CSS3, JQuery
Reporting Tools	Actuate Reports, Crystal Reports.
Databases	SQL Server 2000/2005/2008/2012/2014/2016/2019
Operating Systems	Windows 10 / 11
Web Servers	Microsoft IIS 7.5
Modeling Tools	Visio
Version Control	VSS, SVN, TFS 2010, GIT, VSTS (AZURE)
Other Tools	Visual Studio Team Foundation System Work Bench (TFS), SSIS, Fiddler, SOAP UI, Postman

Career Summary: -

Sagitec Solutions	San Ramon, CA, USA
Jan 2021 – Till Date	https://www.sagitec.com

Sr .Net Architect

Sagitec Xelence is low-code/no-code Platform. Xelence helps large enterprises build complex custom software faster, with higher quality, and lower costs than traditional approaches, with significantly reduced lines of code. Xelence is a visual software development environment that allows IT professionals to quickly design, test, and deploy powerful software applications. Drag and drop visual components, create dynamic user experiences, build end-to-end process flows, and formulate complex business rules with simplicity. Xelence has multi-platform support and can deploy in cloud or on-prem seamlessly.

Responsibilities:
- Lead the transformation of monolith applications into micro service-based platform services. Helping teams to identify domain services.
- Designed and execute proofs-of-concept for critical enterprise capabilities. Created building blocks and transition points to deliver the target architecture.
- Implemented domain driven microservices architecture built on top of REST Web API and HTTP.
- Architected and developed Microservices using .Net 6.0.
- Responsible for designing High Level and Low-level design documents for Application.
- Experience working with Azure services: Azure storage (table, blob, queue), Azure Messaging Service, Key vault, AZ SQL, Cognitive Services.
- Used different architectural patterns like Microkernel, Event Driven
- Responsible for secure code reviews, static code reviews, code re-factoring and testing the vulnerability of code using different tools. And suggesting code level changes to the team.
- Coordinated and communicated between various teams for the development work.
- Worked on prioritizing and developing third party API connectors.
- Documented and maintained architectural guidelines, technical standards and coding standards, Code Convention, and application security standardization document.
- Followed OOA&D and OOPS concepts (polymorphism, inheritance, SOLID and encapsulation) to design and develop web application.
- Implemented distributed load balanced background scheduler jobs.
- Involved in testing like **Unit** test, **Integration** test, **Acceptance** test and **Regression** testing using MsUnit and responsible for writing test scripts and scenarios.
- Responsible for secure code reviews, static code reviews, code re-factoring and testing the vulnerability of code using different tools. And suggesting code level changes to the team.
- Define requirements and identify appropriate performance testing strategies and approach. Diagnose and resolve performance issues and work on performance fine-tuning.
- Work with collaborative project management tools, load generators and other tools for performance monitoring.

Technologies: ASP.NET Web API, Microservices, Azure, Windows Services, C#, ASP.Net MVC, LINQ, Entity Framework, MS SQL Server 2017, Log4Net, HTML, TypeScript, GIT

Fiserv	**Dallas, TX, USA**
Apr 2007 – Jan 2021	http://www.fiserv.com
.Net Architect / Tech Lead / Developer	

Fiserv BillMatrix as Payment Gateway product provides comprehensive electronic bill payment solutions and services over telephone and internet using the latest technologies.

BillMatrix4.0 is **multitenant** guest user experience with ability to customize biller application through custom messages, CSS and configurations. Product supports processing of immediate, schedule, recurring and Auto payments with reporting to biller and notifications to consumer through Email and SMS. Product is also capable of sending reminder notifications for payment due, upcoming payments. Product is hosted in Fiserv infrastructure and deployed in two datacentres. Both datacentres are active-active to process transactions independently.

Responsibilities:
- To make architecture decisions starting from the initial phase of the requirement analysis.
- Established core architecture including security, common object library, best practices, and standards to increase production efficiency.
- Helping and guiding teams to convert SOA architecture to micro service architecture. Helping teams to identify domain services.
- Analyse the requirement and translate requirement into C4 (Context and container) design diagrams and documents.
- Designing and helping the development teams to understand high-level design.
- Modernizing product by evaluating new technologies Microsoft technology stacks and open-source tools and libraries.
- Conduct architectural and design reviews.
- Identifying technical debts and prioritizing them with help of CPT.
- Analyzing different design and architectural patterns and introducing them appropriately.
- Make the team understand architecture patterns with benefits and challenges. Also educate teams on resolution techniques.
- Designing automation testing framework and defining automation testing strategy.
- Defined approach of DevOps (CI-CD) pipeline for build and deployment and integrated quality check steps for automated code reviews and testing.
- Defining the technical standards, including software coding standards.
- Improve quality of code through reviews and through awareness
- Introduced xUnit for unit testing & debugging of the application for better quality.
- Created intermediate layer ESB enterprise service bus within the service implementation with SOA reduce levels of coupling between services, also created web services and using it as component along with service facade / Factory design pattern to implement SOA architecture framework.
- Responsible for the Code Optimization & Database Performance Optimization
- Involved in PenTest and fixing security observation as per OWASP standards.
- Implemented different cryptographic algorithms and SSO using SAML.
- Used various logging libraries for logging and tracing in the application.
- Created the Controllers and Controller Actions Filters Routing using ASP.NET MVC.
- Used JavaScript to enhance the dynamics and interactive features of web pages by allowing users to perform calculations, validate form inputs, add special effects, Customize selections, Confirmation etc.
- Worked on creating deployment plans and providing deployment support.
- Level 2 Production Support and help the production team to resolve complex issues and help to understand Application flow as per Business objects.
- Interact and collaborate with Product Owners/Business Analyst/Clients to get the Business Requirement Description document.
- Troubleshooting environmental and production issues.
- Work with scrum teams to design of multiple features in parallel.
- Attended Sprint Review meetings and provided review feedback.

Technologies: ASP.NET Web API, Microservices, WCF, Windows Services, C#, ASP.Net MVC, LINQ, Entity Framework, MS SQL Server 2017, Log4Net, HTML, JQuery, Team Foundation Server, GIT, Perforce

Gebbs InfoTech Ltd.   **Mumbai, MH, India**

Nov 2005 – Apr 2007   http://www.gebbs.com

Software Engineer

GeBBS is an ISO 9001 certified IT services company focus on providing Information Technology and Business Process Outsourcing Solutions to Healthcare Providers, Payers, and Public Health organizations. The CEHR product caters all the needs of a clinic. CEHR replaces the traditional clinic management tasks right from filling the patient records, booking the appointments for the providers, monitoring the patient in the clinic to generate diagnosis reports and recording provider notes. A wide range of integration with third party software vendors MicroMedex, RxHub, SureScript.

Responsibilities:
- Day to day interaction with users and business analyst to gather requirements, write specs and project analysis
- Working with Web Services, SOAP and WSDL.
- Wrote T-SQL Tables, Stored procedures, Views, and Triggers for performing database operations on SQL Server 2005.
- Involved in unit testing, integration testing and deployment of the application.
- Involved in implementing client-side functionalities using JavaScript and involved in creating CSS classes for the application.
- Performance tuning and query optimization of SQL Server 2005.
- Identify possibilities for performance improvements and implement relevant fixes.
- Extensively used ADO.NET objects to communicate with SQL Server 2005 database.
- Involved in writing stored procedures for use in different modules of the application.
- Extensively used ADO.NET objects such as Data Adapter, Data Reader, Dataset and Data View for reading/updating records in the database
- Developed several Web forms, Presentation layer, Business layer and Data layer for various modules in the application.
- Extensively used Cascading Style Sheets for formatting the .asp pages and websites.
- Application production Support & Troubleshooting.
- Integration testing of the developed functionality/ components with other dependent components.

Technologies: .NET Framework 2.0, C#, Web Services, Entity Framework 6.0, XML, JavaScript, Visual Studio 2005, SQL Server, and VSS.

Park InfoTech Ltd.   **Mumbai, MH, India**

Aug 2004 – Nov 2005

Trainee / Software Engineer

Description :
EFact – This product is used to keep records of Inventory for Diamonds with account for organization. This software is capable of controlling multiple certification value for a single diamond on given parameter.

Responsibilities:
- Visual Studio 2003 and ASP.NET 1.1
- Implemented version controlling using Visual Source Safe.
- Developed web forms with C# to store the customer policy data in Database.
- Designed, developed the required SQL stored procedures, triggers, and database functions in SQL Server 2000.
- Developed Custom User Controls To reduce the Complexity in User Interface Coding and provide better look and feel.
- Coding and Tuning the Queries, Stored Procedures and Functions, Triggers using PL/SQL.
- Developed reports using MS SQL Server and Crystal Reports.
- Worked on the basic design of the website using the CSS, Master Pages and Navigation controls for consistent look and feel of the website.

- Integration testing of the developed functionality/ components with other dependent components.
- Perform impact analysis of the implied change/project based on Business requirements and coordinate with impacted teams/portfolios.
- Worked with all phases of SDLC in the Waterfall model
- Involved in debugging, bug fixing & QA support
- Consumed and created WCF and .Net WS services for integrating Meta data information like user information and file information to retrieve files.
- Provided support during test and UAT phase of the project
- Created SSRS reports for showing reports to the customers depending on input parameters.
- Used Nunit for testing & debugging of the application for better performance.

Environment: .Net Framework 1.1, ASP.NET, VB.Net, HTML, JavaScript, MS SQL Server, Visual Source Safe, CSS

Education: -
- ***Masters of Computer Application*** *from Pune University 2004*
- ***Bachelors of Computer Science*** *from Pune University 2001*