DHARMENDRA KUMAR V MISTRY

(Technology Lead & Solution Architect)

Microsoft CERTIFIED Professional

Microsoft CERTIFIED Technology Specialist

.NET Framework 4
Web Applications

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Professional Summary

Seasoned Technology Lead & Solution Architect with a total of 14 years of industry experience, including over 10 years in leadership roles. Proficient in a wide array of programming languages, with deep expertise in cloud services, particularly Microsoft Azure. Currently expanding expertise into AWS and GCP. Skilled in project management tools, version control systems, and Microsoft frameworks. Extensive experience in architecting and developing scalable solutions, with a commitment to staying abreast of the latest advancements in cloud technology. Dedicated to driving organizational success through technology leadership and strategic vision.

Personal Info

Birthdate: 22nd October 1982.
Birthplace: Navsari, Gujarat, India.
Language: Gujarati, Hindi & English.
Marital Status: Married
Nationality: British Overseas Citizen
(Able to live and work freely in India - Visa-free travel to the UK)

Qualifications

Bachelor's in Computer Application (BCA)
(Sikkim Manipal University - Distance Education - 2014-2017)

Advanced Diploma in Software Engineering (ADSE)
(Aptech Computer Education, Vadodara, India - 2003-2006)

Higher Secondary
(Gujarat Secondary and Higher Secondary Education Board - 2005-2006)

Secondary School
(Gujarat Secondary and Higher Secondary Education Board - 1997-1998)

Certifications

Microsoft Certified Technology Specialist - MCTS (70-515)
- Microsoft Certified Professional
- Microsoft Certified Technology Specialist
        - NET Framework 4, Web Applications

Work Domains

- Finance and Insurance (F&I)
- Learning Management System (LMS for corporate training) with Gamification
- Social Media Management (SMM)
- Education
- Real Estate
- Manufacture
- Cognitive Assessment
- Account, Inventory & Payroll

Key Strengths

- Proficient in designing enterprise-level architectural solutions.
- Excellent troubleshooting skills.
- Quick grasp of existing/new project architecture and product flow.
- Core experience in developing SaaS applications.
- Rapid learner, adept at implementing new technologies.
- Effective in overcoming challenges within set deadlines.
- Adherence to best practices and coding standards for seamless development.
- Demonstrated leadership and technical management abilities.
- Skilled in delegation and team management, capable of handling teams of varying sizes.

Architecture Patterns & Frameworks Proficiency

Architectures

- Microservice based Architecture
- Domain-Driven Architecture
- N-Tier Architecture
- Three-Tier Architecture
- Single Tier Architecture (Monolithic)

Frameworks

- ABP
- Asp.Net Boilerplate
- NopCommerce
- Umbraco

Key Skills & Expertise

Leadership and Architectural Skills:

- Strategic Planning and Solution Architecture
- Team Leadership, Management, and Mentoring
- Project Management Tools (Axosoft, Basecamp, Ganttic, DevOps, Jira)
- Version Control Systems & CI/CD (Git & GitFlow workflow, DevOps, Jira, TFS, SVN Server, Microsoft Visual SourceSafe)

Technology Expertise:

- Cloud Services
  - Azure (Websites & Web job - App Services), Azure Functions, Azure Storage Services, Azure SQL Database, Elastic database and database pool, Azure Logic Apps, Power Apps & Power Automate, Cognitive Services (Computer Vision, Language Understanding), Azure VM setup and Management)
  - AWS (S3 Storage Service, EC2 Instances)
- Microsoft Frameworks & Tech stack (.Net Framework, .Net Core, Asp.net, Asp.net Core MVC, WCF Services, WebAPI, Windows Services, Web Services (SOAP), Console Application and many more)
- Database Systems (Microsoft SQL Server, Azure SQL, MongoDB, MySQL, DB2, Oracle)
- Client & Server-side Languages (Javascript, JQuery, Angular, NodeJs)

Architecture and Design Patterns:

- Dependency Injection (DI) Frameworks (Autofac, Unity)
- ORM Frameworks (Entity Framework, Entity Framework Core, Dapper)
- Web Authentication (OAuth & OAuth 2.0, Single Sign-On, Active Directory, Active Directory Federation Service, SAML, OpenID)

Programming Languages:

- C#, Vb.net (Java, Python - Intermediate level)

Development Tools and Practices:

- IDE Tools (Visual Studio Code, Visual Studio 2015-2022)
- Unit Testing Frameworks (NUnit, MSTest)
- Container Technologies (Docker)
- Security Practices (Cryptography, OWASP)

Integration and Reporting:

- Integration Services (Azure Logic Apps, Power Apps, Power Automate)
- Reporting and Analytics Tools (SSRS, Crystal Reports, DevExpress reporting, PowerBI)

Additional Skills:

- RPA Tools (UiPath Studio & Cloud Orchestrator)
- Business Rule Engine (InRule)
- Third-Party Controls & CMS (Infragistic, Telerik, IgniteUI, Umbraco CMS)
- Web Hosting Servers (IIS with WebFarm and Load Balancing setup, Apache, Nginx)
- Payment Gateways (Braintree, Authorise .Net, Stripe)
- Packaging Tools (InstallShield)

Achievements

- Understand and Setup PaaS Architecture (Windows Azure Pack - Currently Azure Stack Hub)
- Build scalable SaaS architecture based on Domain Driven Architecture with the Shard Management capabilities.

Experiences *(Nearly 14 years)*

ShreeKrupa System Pvt Ltd,   (Gyrus Systems, Virginia, USA)
Surat, Gujarat, India.

Role: Technology Lead & Solution Architect
Experience: April 2022 to Present [2 years]
Mode: Contractual-Fulltime
Responsibilities

- Conducted extensive research on migrating legacy LMS product to the Azure cloud environment. Explored various deployment strategies including Single Tenant Isolated VM, Multi-Tenant Isolated VM, and Multi-Tenant with Azure SQL Managed Instance.
- Prepared detailed infrastructure diagrams for both existing legacy product and proposed Azure cloud deployment layouts.
- Led migration research for transitioning SQL Server 2012 database to Azure SQL Database, enhancing scalability and performance.
- Developed and presented a high-level technology upgrade roadmap for the current SaaS product, ensuring alignment with organizational goals.

- Explored Azure containerization services and designed a high-level architecture diagram for converting the existing SaaS product, emphasizing modularity and scalability.
- Decomposed product modules and created multiple entity workflow diagrams to streamline development and enhance product clarity.
- Quickly acquired expertise in Angular 16, developed a module-based project architecture and obtained approval from industry-leading Angular expert.
- Facilitated daily and weekly meetings with UI/UX vendor team to enhance user interface and experience, providing technical insights and guidance.
- Reviewed wireframes and layout screens in Figma, offering constructive feedback to maintain product flow and coherence.
- Provided critical technical support and assistance to product and project managers, addressing support tickets promptly and effectively.
- Restructured Single Sign-On (SSO) functionality and integrated Content Security Policy (CSP) in the existing SaaS product, enhancing security measures.
- Upgraded .NET framework to 4.8 for improved performance and resolved caching issues across SaaS product and related applications.
- Developed and implemented NodeJS scripts for monitoring processes, ensuring system stability and reliability.
- Wrote PowerShell scripts for regular backups of databases and site content, mitigating data loss risks.
- Designed and executed basic training plans for onboarding new employees, ensuring smooth integration into company processes.
- Conducted comprehensive training sessions on Git repository usage, facilitating the transition from TFS to Git and implementing GitFlow workflow.
- Introduced release management concepts and Git branching strategies, optimizing development processes and ensuring efficient release cycles.
- Provided technical feedback on source code, adhering to best practices and fostering code quality and maintainability.
- Managed monthly release deployments and coordinated release planning in Zoho, collaborating with project managers to ensure project milestones are met.
- Spearheaded project planning for upcoming SaaS versions and UI/UX enhancements, contributing to strategic decision-making.
- Reviewed and analyzed third-party vendor tools such as Telerik's Kendo UI components for potential integration with the product's UI.

- Conducted initial research and analysis on Learning Experience Platform (LXP) and Performance Management System (PMS) integration, supporting product roadmap decisions.
- Led the upgrade of the SCORM Engine version for the current SaaS product, ensuring compatibility and performance improvements.
- Successfully transitioned legacy SaaS product customers to Azure VM environment, facilitating the company's migration from physical data centers.
- Provided round-the-clock support for critical production issues and server outages, ensuring minimal downtime and uninterrupted service.
- Managed Azure cloud environment according to Microsoft's best practices, resolving billing discrepancies and providing usage clarity to the CEO.
- Monitored office infrastructure and resolved network issues to maintain a productive working environment for the team.
- Provided guidance and mentorship to developers, seniors, and juniors, offering technical expertise and fostering professional growth.
- Participated in the hiring process, conducting interviews and providing input to build high-performing teams.
- Assisted Business Analysts in preparing Requirement Analysis Documents (RADs) for SalesForce integration in upcoming releases, ensuring alignment with business objectives.

Comnet Development India,   (ComnetSolutions Pte Ltd, Singapore)
Surat, Gujarat, India.

Role: Solution Architect
Experience: Oct 2021 to Mar 2022 (6 Months)
Mode: Contractual - Fulltime
Responsibilities

- Resposible for understanding project requirements gathered by Product Manager. Review and provide technical implementation suggestions and feedbacks in order to initiate the product development as per SDLC flow.
- Collaborated with Product Manager to comprehend project requirements.
- Provided technical insights and suggestions to facilitate product development in alignment with SDLC methodologies.

- Deconstructed projects into smaller modules to facilitate accurate estimations for each component.
- Formulated comprehensive project estimations, defined milestones, and crafted Gantt charts for transparent project planning.
- Designed Vue project architecture from inception to effectively manage order, inventory, and pricing for a prominent food chain vendor's franchise owners.
- Defined the database structure tailored to project specifications.
- Engineered a bespoke backend library to customize the Microsoft Identity Model within ASP.NET Core for integration with the LINQ2DB ORM tool.
- Implemented GitFlow Workflow to streamline source code management and deployment processes.
- Provided mentorship to both senior and junior team members in frontend and backend API development.
- Engaged in daily meetings with Product Manager and team members to furnish progress updates.
- Assisted project team members to achieve objectives within stipulated timeframes.
- Offered technical guidance and resolutions to overcome challenges encountered during project execution.
- Managed project tasks within Jira, ensuring efficient task allocation and progress tracking.
- Deployed projects to QA environments on a weekly/bi-weekly basis.
- Reviewed and prioritized bugs logged in Jira daily, assigning them to developers accordingly.
- Actively participated in the development process, contributing to the establishment of foundational structures and complex modules.
- Conducted code reviews upon module completion, providing feedback, suggestions, and necessary technical alterations.

1Rivet India LLP,   (1Rivet, Virginia, USA)
Valsad, Gujarat, India.

Role: Sr.Associate Level 2 | Technology Lead
Experience: August 2020 - June 2021 (11 Months)
Mode: Fulltime - OnSite
Responsibilities:

- Serve as the Technology Lead for a top-tier F&I (Finance & Insurance) company in the USA.
- Oversee various IT projects, including developing a new F&I platform and automating processes using advanced tools.
- Work closely with project teams, providing technical guidance and support to ensure project success. Involved from the initial stages of projects to thoroughly understand goals and requirements.
- Stay updated on the latest cloud technologies and design solutions to meet project needs.
- Create detailed technical documentation and presentations for stakeholders.
- Report directly to the VP of Technology in India and collaborate with onshore teams to address project challenges. Offer technical expertise to resolve issues and keep projects on track.
- Maintain open communication with internal teams and stakeholders to provide progress updates and address concerns. Liaise with network administrators and the DevOps team to meet specific project requirements.
- Technically manage four dedicated teams working on different projects. Deeply involved in each project to understand detailed requirements.
- Research newly available cloud technologies (Mainly Azure) and design solutions accordingly for a new F&I platform considering existing on-premises applications, API, databases, and other integrated third-party SaaS systems.
- Produce architectural diagrams, presentations, and documents to cover all technical aspects. Represent them to stakeholders for approval.
- Perform POC in coordination with team leads and developers. Provide on-premises and cloud infrastructure support if needed. Coordinate with the onshore/offshore DevOps team to facilitate the same.
- Coordinate with project managers and team leads to prepare estimations and timelines. Help create bi-weekly progress reports for all projects to show to the onshore executive and management team.

- Conduct daily meetings with each team to get progress updates and discuss related issues that occurred during implementation.
- Take part in daily and bi-weekly executive and management level meetings.
- Follow up with the RPA team to discuss ongoing work and plan out upcoming work in advance to ensure they have enough development work in their bucket.
- Discuss and understand RPA flows with team lead and ensure they match functional aspects.
- Prepare functional diagrams to give them a broader view of the overall functionality.
- Help and guide them to resolve any technical blockers and issues. Guide the team to create/change the database schema for RPA related workflows.
- Communicate with a third-party vendor (Oracle NetSuite) to discuss API implementation strategies with RPA using their inbuilt or customized NetSuite RESTful API. Review their online documentation if needed. Try communication with API using tools like Postman. Review JSON responses for specific endpoints.
- Take part in daily RPA sync-up meetings with the onshore team.
- Follow up with the Reporting team to track the progress of allocated SSRS reporting tasks. Help them resolve and fix any issues that occurred during the report, query, or stored procedure creation.
- Guide and help team members during the technical analysis phase. Help them find the relation between multiple tables from hundreds of available tables in one or more on-premises databases.
- Prepare architecture diagrams and documentation for proposed data migration solutions. Discuss and finalize it with the onshore (DBA, Senior Analyst, and others) and offshore (Database Lead) team.
- Take part in every report requirement meeting with stakeholders and a business analyst.
- Reach out to the database administrator for any specific needs (access permissions, logins, etc.) that arise during the development and deployment phase of the reporting. Review each reporting task in Jira.
- Follow up with the Application development team to track the progress of different allocated development modules for several in-house applications and APIs.
- Help them understand existing modules by reviewing the existing codebase and suggest related implementation changes.
- Review related design documentation for changes.

- Prepare architecture diagrams and other documentation for the new Notification framework.
- Help and guide PowerApp developers to prepare workflow according to the requirements.
- Research on available free/paid PowerApp/Power Automate connectors and evaluate the integrity. Provide technical assistance to any major/minor issues.

Comnet Development India,   (ComnetSolutions Pte Ltd, Singapore)
Surat, Gujarat, India.

Role: Solution Architect
Experience: August 2019 - May 2020 (10 Months)
Mode: Fulltime - OnSite
Responsibilities:

- Contributed to a range of Mobile & Web application projects, collaborating with teams of varying sizes
- Conducted daily exchanges with the Production manager, Design leads (located in Singapore), and team members to align on stakeholder requirements
- Provided insightful resolutions for design, architectural issues, and defects, fostering seamless project progression
- Collaborated closely with Team leads and developers to ensure timely completion of development tasks
- Conducted thorough reviews of source code and database queries, enforcing industry best practices
- Offered expertise in optimizing complex queries and stored procedures, implementing necessary SQL changes as required
- Orchestrated efforts with the QA team to uphold product quality post-development, ensuring a seamless user experience
- Methodically tracked and prioritized bugs in Jira based on severity and priority levels
- Engaged in ongoing research to stay abreast of architectural patterns, coding standards, security policies, and docker container services
- Produced meticulous documentation tailored to project specifications, enhancing project transparency and clarity.

CodeWorks Consulting,   (TechArk Solutions, Norfolk, USA)
Surat, Gujarat, India.

Role: Senior Software Architect | Team lead
Experience: March 2018 - August 2019 (1 Year - 6 Months)
Mode: Fulltime - OnSite
Responsibilities:

- Handled multiple new and maintenance projects according to the company's unique business model.
- Made architectural and code refactoring decisions for maintenance projects.
- Conducted impact analysis by reviewing existing codebase and database schemas to ensure application stability.
- Prepared architecture for new projects and generated related documentation.
- Engaged in daily communication with Senior Tech Lead (based in USA) to discuss code modifications and architectural changes.
- Researched and explored possibilities for various feature extensions, providing technical information.
- Managed multiple team leads and communicated with their teams as necessary.
- Coordinated with QA lead and team to ensure system quality post-implementation.
- Monitored bugs and defects during QA phase, giving immediate direction on high-priority issues and coordinating fixes with team lead and developers.
- Supervised deployment process across development, QA, staging, and production environments, offering technical support and guidelines to the team.
- Oversaw the overall lifecycle of both old and new projects.
- Collaborated closely with Project Manager and business analyst to grasp project/feature requirements from stakeholders, offering technical suggestions and approximate LOE.
- Provided technical information and guidelines for requirement changes and participated in stakeholder meetings as needed.

ShreeKrupa System Pvt Ltd,   (Gyrus Systems, Virginia, USA)
Surat, Gujarat, India.

Role: Design and Architecture Lead
Experience: April 2014 - Feb 2018 (3 Year - 11 Months)
Mode: Fulltime
Responsibilities

- Responsible for creating and maintaining software architecture for multiple major versions of the company's LMS product.
- Created SaaS architecture from scratch and converted an existing LMS product to the latest technologies.
- Implement new changes in architecture for scalability and performance of the product.
- Highly involved in the product conversion process as per new technology trends.
- Evaluating risks for software systems in a set of categories which includes usability, testability, scalability, availability, extensibility, security, and portability.
- Responsible for understanding and implementing the latest architecture for further development, ensuring alignment with project objectives.
- Led the transition of the existing LMS product to utilize cutting-edge technologies such as Asp.net MVC, AngularJs, SQL Server 2012, .Net Framework 4, and Entity Framework with Domain-Driven Architecture.
- Evaluated and integrated Azure cloud services to support various modules of the SaaS product, while meticulously documenting the process.
- Key person in making decisions related to many areas like requirement analysis, architecture design, and development. Do analysis on customer's RFP and respond accordingly with an estimate.
- Directly communicate with the CEO, Project Manager, and Support team (USA) and developers (India) for discussing related modules, tasks, and progress. Provide technical support to the USA support team.
- Guided and assisted team members in implementing and maintaining architectural aspects, fostering collaboration and knowledge-sharing.
- Provided technical assistance and guidance to senior/junior team members, offering mentorship where necessary to enhance team performance.
- Enforced coding standards and best practices to ensure the delivery of clean, maintainable client and server-side code, contributing to overall product quality.

- Review source code of different modules, offering constructive feedback to optimize performance and maintainability.
- Highly responsible for each and every build of product versioning, its deployment, and maintenance. Handle build versions and keep their history for feature resolution and fixes. Prepare release notes after each build.
- Ability to gather and track ongoing development projects using tools like Axosoft.
- Check support tickets on a daily basis and categorize them according to their priority and severity. Update ticket status and provide answers to the ticket according to related resolution and modification.
- Help developers to ensure coding standards and proper implementation. Do code review and guide developers according to the need.
- Guide the design and implementation of software systems by making high-level design choices, setting and enforcing technical standards.
- Provide mentoring, coaching, and guidance to other development team members.

Self Employed (Freelance)

Role: Freelance Developer
Experience: June 2013 - March 2014 (10 Months)
Mode: Fulltime
Responsibilities
- Gathered work from multiple freelancer websites, overseeing all project phases from requirement gathering to project sign-off.
- Calculated overall project costing and prepared comprehensive development plans.
- Followed the Software Development Life Cycle (SDLC) according to project requirements.
- Created high-level documents, scope documents, and other relevant project documentation.
- Tracked change sets as needed and maintained daily communication with clients to provide development status updates.
- Prepared software architecture and designs in alignment with project requirements.
- Wrote server and client-side code, utilizing technologies such as Asp.net, Asp.net MVC, Web Services, and WCF services.
- Developed code to interact with Facebook and Twitter APIs, integrating them seamlessly into the project.

- Implemented scheduled jobs for fetching daily records from Facebook and Twitter feeds.
- Wrote both normal and complex SQL queries using Microsoft SQL Server Management Studio.

ShreeKrupa System Pvt Ltd,   (Gyrus Systems, Virginia, USA)
Surat, Gujarat, India.

Role: Sr. Software Developer
Experience: June 2012 - May 2013 (1 Year)
Mode: Fulltime
Responsibilities:

- Developed and maintained web-based LMS (Learning Management System) product
- Provided resolution to various bugs reported by clients
- Prepared deployment packages and assisted support team with deployment of fixes and patches
- Collaborated with project manager and senior team members to enhance performance and scalability
- Provided technical guidance to a team of 2-3 developers
- Reviewed client and server-side code as necessary
- Key contributor for quarterly product releases

Trimantra Software Solution LLP,
Surat, Gujarat, India.

Role: Software Developer (Web)
Experience: Jan 2011 - May 2012 (1 Year 5 Month)
Mode: Fulltime
Responsibilities:

- Proficient in building web-based applications with ASP.Net, C#, MS-SQL Server, and Microsoft .Net Framework 2.0 to 4.0.
- Developed Content Management Systems (CMS), Social Media Management (SMM) applications, Web service-based applications, and JQuery based applications.

- Responsible for creating web-based applications in ASP.Net MVC with Microsoft SQL server database.
- Research and learn new technologies and REST API around social media sites.
- Review related social media documentation and understand implementation points.
- Perform POC for different project needs.
- Write efficient and reliable C#, Javascript/JQuery code by following industry coding standards and best practices.
- Fix bugs and provide patches reported by the QA team.
- Daily communication with the Team leads to provide progress updates and related technical discussion.

Aastha Info Mark Solution Pvt Ltd,

Surat, Gujarat, India.

Role: Jr. Software Developer (Windows)
Experience: July 2009 - Dec 2010 (1 Year 6 Month)
Mode: Fulltime
Responsibilities:

- Specialized in windows application development using C# and MS-SQL Server.
- Actively involved in developing various projects, including:
  - Account-based products
  - Fingerprint recognition system
  - Employee and Payroll management system
  - Loan management system with Three-tier Architecture
  - User management system
- Proficient in writing code in C# and VB.Net programming languages for different systems.
- Skilled in writing simple to complex SQL queries, functions, stored procedures, and views as required.
- Provide comprehensive database management and software support to clients remotely or through personal visits.

A list of all completed projects
https://drive.google.com/file/d/19ShiDMPTso1FbxKpwf3yTrUeno6o7H5d/view?usp=sharing

      As a Technology Lead and Solution Architect, I am uniquely positioned to architect end-to-end solutions that not only address our clients' immediate needs but also pave the way for future growth and innovation. Through a blend of strategic planning, technical acumen, and leadership, I guide our team in delivering solutions that are not only technically sound but also drive significant business impact.

Thanks & Regards,
Dharmendra Kumar V Mistry.