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| ***C:\Users\na260831\AppData\Local\Microsoft\Windows\INetCache\Content.Word\azure-fundamentals-600x600.png*C:\Users\mnr3p5\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\4F7F4A02.tmp** | ***Narsimha Rao Macharla Houston, Texas. USA.***  ***+1 281 644 9801***  [narsimhadevlead@gmail.com](mailto:narsimhadevlead@gmail.com)  ***H1B Visa*** |

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| ***Synopsis:*** |

**Cloud Certified Azure Fundamentals & AWS Solution Architect**

* Narsimha Rao has fifteen years of experience working in cloud computing, application development and maintenance of Microsoft Windows and ASP Dot Net applications and projects.
* Has extensive experience in designing cloud-based solutions using Amazon Web Services and is an Amazon Certified Solution Architect Associate and Certified Azure Fundamentals.
* Involved in cloud technologies such as Cloud computing, Cloud Automation, Containers, Serverless, API of AWS such as S3, EBS, EC2, Dynamo DB, Cloud Formation, API Gateway, Lambda, Docker & Docker Containers, EKS, Cloud Watch and Cloud Trail.
* Core Technical strengths include Microsoft Technologies such as C#.Net, .NET Core, ASP.NET Core, Angular, NodeJS, HTML, CSS, WCF, Web Services, Micro-services, SOA, RDBMS(SQL Server, Oracle) and MVC Design Pattern.
* Domain experience includes working in Life Insurance, Energy, Utilities and Entertainment industries. He has gained extensive knowledge in Electrical and Water Utilities domain in earlier organization. He has got exposure working at onsite for a long time and handled team size of 5 and more both at onsite and offshore.
* Excellent communication in client engagement and management skills.
* Client interfacing and customer centric & orientation.
* Has experience in Agile & Scrum working methodologies.
* Manages team work by judicious delegation and elicits updates on the same from the team which helps them in case of any technical issues related to the project.
* Has experience working in development projects. Also worked in maintenance projects that involved frequent enhancements to be delivered to the client.
* He has experience in support projects that follows the ITIL processes to demonstrate compliance and service improvement to client.

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| ***Certifications*** |

**Amazon Web Services Certified Solutions Architect Associate**

**Microsoft Certified Azure Fundamentals**

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| ***Professional Experience: Wipro Technologies (November ‘12 – current)*** |

**Technical Lead (August ’20 – current)**

**Project Description – NWM**

Northwestern Mutual is an insurance organization which is majorly focussed on providing insurance products on Life and Disability Income for its clients and policy owners. Being 160 years old, it has very strong client base across USA with in-depth knowledge and knowhow in Risk Product & Administration (RPA), Risk Services(RS) and Claims & Benefits areas.

The project I deal with is a New Business Application Input(NAIP) which is part of RPA area. Within RPA the Life or Disability Insurance application flows through NAIP which serves as an input for Underwriting and then moves to Post Approval area to be processed further for Risk Servicing. Wipro plays the role of a strategic partner with NWM for developing and maintaining the applications in RPA and RS areas.

**Roles & Responsibilities**

* Primary contact to the client for the NAIP application development and deployment.
* Participate in the Agile/Scrum iteration planning on biweekly and quarterly basis.
* Work closely with the Product Owner and Client Engineering lead on identifying the critical and high priority tasks to be included in the sprint plan.
* Revisit and refine the product backlog based on the team’s capacity.
* Conduct design, build and code reviews of the NAIP application before merging the code with master branch.
* Suggest changes and participate in the application architecture discussions to improve application performance.
* Coordinate with Release team and secure approvals from all stake holders before entering into the EDCAB review meeting for any production change.
* Perform thorough impact analysis of any interface changes that spans across underwriting and post approval areas.
* Makes sure the System Testing team updates the regression test suite for major functional changes.
* Proposed client to modernize its business process of daily batch processing of policies to real-time processing of policies.
* Implementing migration of on premise batch processing to cloud real-time processing using SQS and micro-services.
* Monitoring the progress of sprint tasks using JIRA tool and follow-up with team to resolve impediments, if any.
* Implement CICD pipelines to automate the build, code-quality check and deployment of code in staging and production environments.
* Mentor new members in the team to scale up to work to increase productivity.

**Skills**

**Dot Net, C# .Net, .Net Core, ASP.Net Core, VB, Angular, NodeJS, Sybase, HTML, CSS.**

**Amazon Webservices such as EC2, S3, Lambda, SQS, API Gateway, Micro-services, Cloud Formation, Cloud Watch, Cloud Watch Alarms, Docker, Git & Gitlab.**

**Tools**

**AWS Console, GIT & GitLab, Visual Studio, Rapid SQL, JIRA, Service Now & Cherwell.**

**Technical Lead (December ’15 – August’ 20)**

**Project Description – BPXA**

BPXA known as BP Exploration Alaska is a sub-division of BP, solely focussed on Alaska Region. Major activities involve exploration and production of oil and gas in Alaska. It consists of Petrotech and Non-Petrotech set of applications. The project I dealt were part of Non-Petrotech involving accounting for the volume of oil and gas produced. It has an application suite of approximately 280 applications which needs to be supported and maintained. Wipro has the responsibility to support and maintain this suite of applications and the infrastructure to keep the business as usual for BP.

**Roles & Responsibilities**

* Primary contact to the client for the Alaska region applications for any issue that arises in Alaska.
* Act as SPOC for any escalations and its resolution.
* Playing dual role by front facing client at customer end and acting as a bridge between users and offshore team for any requirement clarifications.
* Managing and supporting multiple applications as Application Manager with the Non-Petrotech portfolio.
* Make use of Git and GitHub as version control system and code repository.
* Exploring avenues to migrate on-premise RDBMS to No-SQL Dynamo DB by understanding the data access patterns.
* Implemented Cloud Watch Alarms to send notification(email or SNS) based on the memory/CPU usage of EC2 instances.
* Coordinate with different teams across different time zones to resolve any P1 or P2 issue.
* Work with different teams to propose and implement viable solution to resolve business issues.
* Responsible for analysing the enhancement requirements and its impact on the existing system.
* Provide Level 3 support for the critical applications.
* Follow controlled process to move the changes to production as per Information Technology Infrastructure Library(ITIL)
* Coordinate with vendors of the applications for any upgrades to be applied by procuring the upgraded versions, checking its compatibility on current servers, testing and deploying to production.
* Responsible for restarting of applications after the app servers are patched with MS security patches to restore services to client.
* Responsible for meeting the response service level agreement for the incidents or service requests logged by the users.
* Evaluating the tickets logged and assigning them to the team.
* Coordinate with the offshore team to resolve technical issues and get daily status updates on outstanding issues.
* Mentor new members in the team to scale up to work to increase productivity.

**Skills**

**Dot Net, C# .Net, .Net Core, ASP.Net Core, VB, SQL Server, Oracle.**

**Amazon Webservices such as EC2, S3, API Gateway, Lambda, NoSQL(Dynamo DB), Cloud Formation, Cloud Watch, Cloud Watch Alarms, Git & GitHub.**

**Tools**

**AWS, VSTFS, Visual Studio, Service Now, Remedy.**

**Technical Lead (November ’12 – December ‘15)**

**Project Description – BP SHIPPING**

BP Shipping provides logistics to move BP’s oil and gas cargo to market as well as technical marine assurance. It operates a rigorous ship-vetting and port/terminal inspection program and actively supports and encourages moves by the shipping industry to improve safety and environmental performance.

BP Shipping wants Wipro to deploy an application development team for implementing the existing enhancements or new requirements specified by Business users.

The applications are: 1. BP Open Shipping System Office 2. BP Open Shipping System Shipboard 3. BP Open Shipping System Hub Agency 4.Chartering Analytics Tool 5. Integrated Marine Assurance System (iMAS) Smart Client 6.Integrated Marine Assurance System (iMAS) Web Client

**Roles & Responsibilities**

* Responsible for development and implementation of a relatively complex project module in Chartering Analytics Tool application. Works on problems of complex scope, through extensive usage of standard concepts & principles.
* Works as a fully contributing team member under broad guidance. Requires extensive knowledge of Microsoft DotNet development technology and C# programming language.
* Bring creative solutions for customer’s business challenges by working with service lines and competencies
* Able to respond to detailed queries. Apply my own judgment to independently determine a course of action,

which is then executed independently post review.

* Responsible for coaching and mentoring junior members in the team.

**Skills**

**Dot Net, C# .Net, ASP.NET, SQL Server**

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| ***Previous Professional Experience: Infosys & ValueLabs*** |

**Technical Lead (September’ 11 – November ’12)**

**Project Description – ENERGY EFFICIENCY- CARBON EMISSIONS**

The UK Government has passed the bill wherein all the energy suppliers in UK are obliged to take measures to reduce the carbon emissions. The project is about capturing the measures installed in the UK households and recording the same in the energy supplier’s system for maintaining, tracking, monitoring and reporting to OFGEM.

The purpose of the project is to develop a secure, performance efficient and scalable system which replaces an existing slow and non-scalable system. It involves in retaining the existing functionality as well as adding a new functionality which would help the energy supplier client in fulfilling their carbon emissions reduction obligation and also meeting the targets set by the OFGEM.

The assignment involves in migrating the existing MS Access database to SQL and redesigning the system to a more secure and performance efficient and the ability to extend the system to make use of COGNOS in future by the BI team.

**Roles & Responsibilities**

* I’m the only one person to handle the project from client location in UK.
* The responsibility involves in gathering the requirements from the business team of the client.
* Completion of Design Build and also System Testing of the required functionality.

**Skills**

**Dot Net, C# .Net, ASP.NET, SQL Server**

**Technical Lead (May’11 – September’ 11)**

**Project Description – SMART METER GRAPHS**

The project involved in developing a utility tool called SMART GRAPH which is a very useful utility tool for the end consumers of electricity and gas. The purpose for developing such a tool is to have an instant and easy accessibility, accountability and record of the energy usage and money spent by the end users which will be of immense help and keep the end users up to date about the energy consumed by them. This tool has immensely reduced the load on the call center help providers, hence an increase in efficiency. This utility tool is used as a plug in model so that it can be catered to the Smart customers only. Smart customers are the ones who make use of smart meters which will help in gathering the required information for the Smart Graphs. The assignment involves in developing a user interface which will help the user in the energy consumption and amount spent with the help of MS Charts.

**Roles & Responsibilities**

* The responsibility involves in gathering the requirements from the business team.
* Development of Smart Meter MS Charts and Non-Smart tables.
* TestingtheMS Charts and the business functionality and validating the data correctness.

**Skills**

**Dot Net, C# .Net, ASP.NET, DotNet Remoting to WCF, SQL Server**

**Senior Software Engineer (Feb’11 – May’11)**

**Project Description – DATA OPTIMIZATION HUB**

The project involved in developing a tool called OPTIMUS which will help in extending the current capabilities of the system. The reason behind developing such a tool is to have an investment prioritization and optimization system in place which will reduce the manual data entry and increase in end user efficiency. For OPTIMUS to meet investment prioritization and optimization, it requires the processed data which is available in the Data Hub. Data Hub acts as an

important interface in making the OPTIMUS tool function as expected by having the data in Operations Management

System (OMS) readily available after undergoing rigorous business process.

The assignment involves in developing a SQL Server Integration Services (SSIS) for processing the OMS data and bringing it to the Data Hub database. The responsibility involves in completing the SSIS packages in lines with the business functionality, fixing issues if any and also deploying the SSIS packages.

**Roles & Responsibilities**

* Development of SSIS packages for DWI, OFWAT and UU Indices
* Trend Indicator, Sludge Indices Trend Indicator and Risk Ratio Trend Indicator
* Testing the SSIS packages and validating the data correctness

**Skills**

**SQL Server, SSIS**

**Senior Software Engineer (Jul’10 – Feb’11)**

**Project Description – OPERATIONS MANAGEMENT SYSTEM**

The project involved in developing application for maintaining the drinking water, raw water and treatment of sludge.

The application generates reports for different samples collected at various sites for analysis purposes. The reports also include calculation of a few indices which helps to provide the acceptable limit values of few parameters to the regulatory bodies. This assignment involves developing the enhancements which will be value added to the customers. The responsibility involves completing the enhancement business functionalities, completing technical

tasks and fixing issues if any. The WCF service developed was hosted in IIS on windows 2008 server (this was a different machine from the one where the application is hosted)

**Roles & Responsibilities**

* Development of WCF service for OFWAT, UU module
* Testing the application and debugging WCF services.
* Developing OFWAT UU screen.

**Skills**

**Dot Net, Dot Net Remoting to WCF, SQL Server**

**Senior Software Engineer (Jan’10 – Jun’10)**

**Project Description – DEMAND SIDE MANAGEMENT**

The project involved in developing application for encouraging the electric consumers to consume less energy.

The application has some inbuilt different templates which will help in creating different programmes according to the need base of the customers. According to the different concessional programmes, different concessional rates are designed by the application based on the rating of the equipment used by the customers. This assignment involved developing different interface screens for the customers to get themselves enrolled for the different concessional

programmes. The responsibility involved completing the Inspection & Scheduling module and Message Center business functionalities, completing technical tasks and fixing issues if any. The WCF service developed was hosted in IIS on windows 2008 server (this was a different machine from the one where the application is hosted)

**Roles & Responsibilities**

* Requirement Gathering for Inspection & Scheduling module.
* Database design models for Inspection & Scheduling module, MessageCenter and Roles.
* Development of WCF service for Inspection & Scheduling and Message Center modules.
* Testing the application and debugging WCF services.
* Development of Windows Service for sending reminder emails.
* Developing Inspection & Scheduling and Message Center screens.
* System Testing and UAT Testing

**Skills**

**Dot Net, ASP.NET, nHibernate, Dot Net Remoting to WCF, SQL Server**

**Senior Software Engineer (Aug’09 – Dec’ 09)**

**Project Description – ARIZONA PUBLIC SERVICE**

The project involved in completely Re-architecting the existing VB application and developed it with a view of Service Oriented Architecture. The application was clumsily built without any scalability and maintainability before being

re-architecture. This assignment involved in developing the Energy Efficiency Calculations and EAG Guarantees modules. This assignment involved in developing the Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules. The responsibility involved in completing the Energy Efficiency Calculations, EAG Guarantees, Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules business functionalities, completing technical tasks and fixing issues if any.

**Roles & Responsibilities**

* Understanding the existing VB application code and the new APS complex Re-architecture framework.
* Developing the System Test Scripts for the above-mentioned modules.
* Development of Web services for Energy Efficiency Calculations,
* EAG Guarantees, Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules.
* Testing the application and debugging Web services.
* Developing Energy Efficiency Calculations, EAG Guarantees, Pre- Crafted Messages, Pivotal Messages and Best Rate Plans screens.
* System Testing and UAT Testing

**Skills**

**Dot Net, ASP.NET, Web Services, SQL Server**

**Senior Software Engineer (Dec’08 – Jul’09)**

**Project Description – SMART CUSTOMER PORTAL**

The project involved in developing a completely new application from the scratch with an intention of making a solution which can be customized later on according to the needs and requirements of the different electric utility companies in the industry. The application was built keeping in view the general functionalities which can be made use of or available in different electric utilities portal sites. This assignment involved in developing the Registration of the new or

already existing customer to avail the new facilities which are offered by the utility company.

The responsibility involved in completing the Registration module business functionality, completing technical tasks and fixing issues if any. Making sure the UI screens are functional according to the different roles of the user who logged in with their credentials.

**Roles & Responsibilities**

* Requirements Gathering for the Registration module.
* Database design models for the Registration module.
* Developing the System Test Scripts.
* Documenting the Design aspects of Registration module in Detailed Level Design documents.
* Development of Web services for Registration modules.
* Unit testing the application and debugging Web services.
* Integration testing with respect to registration functionality.
* Developing Registration UI interface screen.
* System Testing and UAT Testing

**Skills**

**Javascript, Dot Net, ASP.NET, Web Services, SQL Server**

**Senior Software Engineer (Apr’08 – Nov’08)**

**Project Description – ARIZONA PUBLIC SERVICE**

The project involved in completely Re-architecting the existing VB application and developed it with a view of Service Oriented Architecture. The application was clumsily built without any scalability and maintainability before being re-architecture. This assignment involved in developing the Energy Efficiency Calculations and EAG Guarantees modules. This assignment involved in developing the Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules. The responsibility involved in completing the Energy Efficiency Calculations, EAG Guarantees, Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules business functionalities, completing technical tasks and fixing issues if any.

**Roles & Responsibilities**

* Understanding the existing VB application code and the new APS complex Re-architecture framework.
* Developing the System Test Scripts for the above mentioned modules.
* Development of Web services for Energy Efficiency Calculations,
* EAG Guarantees, Pre-Crafted Messages, Pivotal Messages and Best Rate Plans modules.
* Testing the application and debugging Web services.
* Developing Energy Efficiency Calculations, EAG Guarantees, Pre- Crafted Messages, Pivotal Messages and Best Rate Plans screens.
* System Testing and UAT Testing

**Skills**

**Dot Net, ASP.NET, Web Services, SQL Server**

**Software Engineer (Jun’05 – Mar’08)**

**Project Description – RADIAN SITE MANAGER**

The project involved in developing application for providing faster and easier way of services to the customers related to the entertainment industry. The application has the feature of making reservation of the movie tickets for different theaters which are run under a single chain of ownership. Customers can also buy concessions and make box office bookings at the theater with the help of Kiosks and POS. This assignment involved developing different UI screens for

customers to help themselves reserve movie tickets and buy concessions. It even makes the configuration setting for different theater sites falling under single ownership according to the preferences and market demands.

The responsibility involved completing the Reservation module and enhancements related to business functionalities, completing technical tasks and fixing issues if any.

**Roles & Responsibilities**

* Understanding the existing application and tune up to take the enhancements and completed them in the given time frame.
* Developing the Reservation module completely from scratch.
* Database design models for Reservation module.
* Developing the UI screens for Reservation module.
* Taken up the production tickets or issues and fixed them without impacting the business of the client.
* Testing the application and debugging the application.
* System Testing and UAT Testing

**Skills**

**Dot Net, SQL Server**

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| ***Skill set:*** |

* AWS Certified Solutions Architect Associate.
* Microsoft Certified Azure Fundamentals.
* .NET Core, ASP.NET Core, C#.Net, ASP.NET MVC
* Database: SQL Server(SSMS), Oracle(Toad), Sybase(RapidSQL).
* Server Side Technology: Web Services, Windows Communication Foundation.
* Business Intelligence Tools: SQL Server Integration Services(SSIS), SQL Server Reporting Services(SSRS).
* Configuration Tools: Team Foundation Suite, VSTS, GIT/Gitlab.
* Support Ticket Tracking Tools: Service Now, Cherwell, Remedy.

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| ***Visa Details*** |

* H1B visa valid for extension\amendment.

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| ***Academic Credentials:*** |

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| ***Degree*** | ***University/Board*** | ***Specialisation*** | ***Year*** |
| Bachelor of Engineering **(B.E.)** | Osmania University | Mechanical | 2005 |