BHUSHAN

(SR. SOFTWARE ENGINEER)

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# SUMMARY:

* Sr. Software Engineer with 16years’ hands-on experience in diverse technical skills in software architecture, design, development and team management using Microsoft Technologies, open source and 3rd party components.
* Experience in Agile and Waterfall Methodologies
* Proficient in developing applications using ASP.Net, MVC 4.0, C#.NET, LINQ, Entity Framework, NHibernate, VB.NET, ADO.NET, SQL Server 2016-2005, Oracle 9i, MySQL
* Experience in Web Services, WCF, Web API, REST, ELK (Elastic, LogStash, Kibana) Stack, RabbitMQ and SOAP
* Extensive with Database design and Normalization. Worked extensively on SQL Server 2000/2005 and 2008. Very good at database Performance Tuning, Query Optimization, Creating Stored Procedures, Functions, Triggers, Indexes and Views
* Good working experience with SSRS, Crystal reports and SSIS
* Expertise in Web Service, Windows Service, WCF development using HTTP and TCP protocols
* Good experience in SOAP, XML, XSL,XSLT,XSD, CSS, HTML, AJAX, JavaScript, JSON, JQuery, Bootstrap, Knockout
* Worked in MS Project Administration, Visual Source Safe, Team Foundation Server, SVN and PVCS
* Experience in MVP, MVC, MVVM, Singleton, Factory, Strategy, Façade, Template and Dependency Injection design Patterns
* Experience in TDD, Unit and Integration Testing and System Integration Testing (SIT) and MOQ
* Experience in Caliburn, Unity, Cocktail, MEF
* Used Javascript frameworks like Bootstrap, Knockout,Node.JS

# SKILLS:

* Waterfall, Prototype, Agile, TDD
* C#, VB.Net, VB, C++, VBScript, JavaScript, jQuery, Java
* XAML, XML, XSL, HTML, T-SQL, PL/SQL
* Silverlight, LINQ, WPF, WCF, MVC, MVVM
* NHibernate, Unity, Entity Framework(EF), NuGet, NUnit, Caliburn, Cocktail, MEF
* ELK (Elastic, LogStash, Kibana) Stack, RabbitMQ
* .NET (2.0 - 4.7), ASP.NET, AJAX, .NET Remoting
* Cryptography, UML, Webservices(RESTful, SOAP, WCF),
* Component One (C1) controls, TelerikControls, Fiddler
* MS Expression Blend, MS Visual Studio 2005-2017, IIS
* MS Analysis Services, SQL Server Management Studio, SSIS, SSRS
* Microsoft Office Suite (Word, Excel, Power Point), XMLSpy, MapForce
* Visual Source Safe, Vault, MS Team Foundation System (TFS), Subversion (SVN)
* Desktop, Web, Cloud Computing / Oracle CRM OnDemand
* Microsoft SQL Server (2000 - 2016), Oracle (9i, 11g), MySQL, MS Access
* LDAP, TCP/IP, UDP, MAPI, ISAPI
* SAP BI, MS Dynamics CRM
* Windows, Unix, Linux

# PROFESSIONAL EXPERIENCE

**Sr. Software Engineer, Kratos, Sunnyvale, CA May 2019 – Till Date**

**Contributions:**

* Developed desktop applications for Satellite Signal Analysis in distributed system architecture.
* Worked on fixing bugs for signal acquisition and storage.
* Enhanced data exchange to be compatible with various forms of devices.
* Improved the workflow for data acquisition.
* Automated the build process to consider correct submodules in Jira and Bitbucket.
* Implemented Static Analysis using SonarQube to report and ensure code quality
* Triaged and provided bug fix plans for CFDs

**Environment:**.NET 4.7, C#, C++, XML, WPF, WCF, Rest API, ELK stack, SonarQube, Jira, BitBucket, MS Visual Studio 2010-2017, SQL Server 2012-2016

# Sr. Software Engineer, Fisher Investments,San Mateo July 2018 – May 2019

**Contributions:**

* Architected and developed the OSCAR application
* Automated the manual process for retrieval and approval of Contracts online.
* Improved the approval workflow to adhere to Going Green initiative. With a Contract spanning 100s of pages and literally 800 such documents created weekly, this process removed the paper printing process completely by 99%. A big savings of paper and ink.
* Developed a subsidiary application to OCR the contract documents and enable searching within the contract contents.
* Provided security controlled by different levels of Groups, Categories and Permissions.
* Worked as technical lead for the enterprise apps.

**Environment:**.NET 4.7, C#, XML, ASP.NET MVC, Bootstrap, RestAPI, IronOCR, WCF, MS Visual Studio 2017, SQL Server 2016

# Sr. Software Engineer, PerceptiMed Inc., Mountain View Sept 2014 – July 2018

**Contributions:**

* Architected and developed the LTC MedPass application
* Architected and developed WCF Services for PillIdentification
* Eliminated the incremental memory leaks in the WCF Service of about 50% per run. Now the service uses only what is required of max 10 GB.
* Worked on groovy scripts for online PDX Prescription HL7 standard feed processing.
* Enhanced the image QA tool using NodeJS
* Developed scheduled processing of DailyMed SPL updates for Medication NDC.
* Architected and developed next generation IdentRx for Walgreens implementation with integration to Walgreens Prescription Service.
* Transitioned the IdentRx app from Sql Server to MySQL.
* Developed Print Library enables printing labels from any app to Zebra ad SATO printers.
* Responsible for SVN Merge and integrations between different development branches.
* Worked as technical lead for the enterprise apps.

**Environment:**.NET 4.5, C#, XML, XAML, WPF, WCF, Groovy, python, MS Visual Studio 2012, SQL Server 2012, MySQL 5.6, SoapUI, NodeJS

# Sr. Software Engr. and Business Analyst, Pacific Gas &Electric (PG&E), San Ramon Oct 2013 – Sept 2014

**Contributions:**

* Define and implement a road map to port Classic ASP applications to ASP.NET MVC Framework.
* Developed and tested RESTful services for Incident Management Tool using WCF and SoapUI.
* Design and Developed the Gas Alarm Management portal using Silverlight and Entity Framework.
* Developed Notification Management tool using KendoUI and WCF services.
* Defining scope and implementing business rules of the project, gathering system requirements
* Writing Functional Requirement specifications(FRS), analysis documents and User Requirement Specification(URS)
* Develop business applications for Windows and Web platforms using .Net framework.
* Build libraries, and frameworks for enterprise wide business applications.
* Provide technical support for resolving customer issues.

**Environment:**IIS 7.0, ASP.NET 4.0, C#, Classic ASP, jQuery,KendoUI, AJAX, XML, WCF, RESTful service,Silverlight 4.0, XAML,MS Visual Studio 2010, Oracle10g, Fiddler, SoapUI, Bootstrapper

# Sr. Software Engineer, SanDisk, Milpitas July 2013 – Sep 2013

**Contributions:**

* Develop POS Portal Integration with SAP.
* Architected web portal for POS management using KendoUI, Telerik and RESTful services.
* Integrate POS portal with SAP to support BI activities through the portal.
* Integrate portal with Dynamics CRM for Report data.
* Automate and enhance the excel file processing for POS files by customers using WorkFlow
* Lead discussions with Business to ensure accurate requirements captured.
* Perform peer reviews of program design and source code.
* Provide technical support for resolving customer issues.

# Environment:

IIS 7.0, ASP.NET 4.0, C#, WCF,WorkFlow (WF) LINQ, Lambda expressions, jQuery, AJAX, TelerikRadControls, XML, XSLT,MS Visual Studio 2010, SQL Server 2005, SAP BI, SAP Connector, MS Dynamics CRM, Fiddler, SoapUI, RESTful services, KendoUI

# Sr. Software Engineer, S & C Electric, Alameda Mar 2013 – July 2013

**Contributions:**

* Design and develop communication, and data processing applications (both client- and server-side) for distribution system automation on .NET and Win32 platforms, using C++, C#, and .NET
* Design and develop GUI screens interface with embedded systems to support the input of configuration data, graphical presentation of data, logs and results.
* User Experience Design (UXD, UED) for web based software to follow best practices for the layout and structure for managing large amounts of information in a user friendly manner.
* Conducting peer reviews of program design and source code.

# Environment:

.NET 4.0, C#, Silverlight, Expression Blend, XAML, MVVM, MVC, WPF, WCF, LINQ, Lambda expressions, XML, XSLT, MS Visual Studio 2010 and 2012, XMLSpy and MapForce, Unix

# Scientific computing of PCR Genotypes (BDC, Bristol Myers-Squibb., Redwood City CA)

**Jan 2011 – Dec 2012**

**Contributions:**

* Generated Functional and technical design documents based on requirements gathered.
* Responsible for design, develop, deploy &production support of PCR Genotype Analysis.
* Improved the processing power up by 65% by reducing duplicate efforts and redundancy.
* Provided a rich user experience& improved usability by providing appropriate feedbacks about background tasks status to users.
* Work on projects as a part of development team and independently building end-to- end business applications for Windows and Web platforms using.Net framework.
* Build libraries, and frameworks for enterprise wide business applications.
* Implement and test automated unit and black-box tests.

# Environment:

ASP.NET, C#, Silverlight 4.0, Expression Blend, MVC, MVVM, WPF,WCF, jQuery, JavaScript, LINQ, Lambda expressions, Fiddler, SQL Server 2008, NUnit, NHibernate, Unity, TDD, Moq, .NET 4.0, MS Visual Studio 2010 and 2012, IIS 7.0, XML, ComponentOne controls, Nuget.

# Roles-based features for web applications (Fox Head Inc., Morgan Hill CA) Nov 2010 – Dec 2010

**Contributions:**

* Responsible for developing a Role-base security framework for web apps.
* Based on Roles assigned to users in Active Directory, various functionalities, page- access, menu-access are enabled or hidden using the framework.
* Also implemented WCF services for data integration for enterprise-wide use.

# Environment:

ASP.NET, C#, WCF, SQL Server 2010, .NET 4.0, MS Visual Studio 2010, IIS 7.0, SOAP,

XML, TelerikRADControls, Subversion SVN, Active Directory, LDAP

# Customer Portal & S/W Licensing Registration System (SLRS) (Actel Corp., Mountain View CA)

**Oct 2007 –Oct 2010**

**Contributions:**

* Lead software engineering efforts for automating software license generation and dispatch.
* Conducted requirements gathering and approval meetings with business users and developed Release Plans and other deliverables.
* Developed user friendly and informative web apps for quick registration & delivery of licenses.
* Implemented web based survey system collecting information from end users and directly feeding survey results to management dashboards in Siebel at real time.
* Successfully integrated CRM OnDemand to many corporate applications using WCF services.
* Developed ETL jobs for syncing customer data between CRM OnDemand and other corporate applications.
* Automated the process for mass update of licenses and reduce manual effort by 90%.
* Maintained quality by following coding standards, doing code reviews and testing effort estimation.

# Environment:

ASP.NET, C#, VB.NET, WPF, WCF, MVVM, MVC, JSP, SQL Server 2005, SSRS, LINQ, IIS

6.0, MS VS.NET Framework 2005, XML, SOAP, RESTful, Java, JavaScript, MS Visio 2000, Source Gear Vault, Siebel, Oracle CRM On Demand, LDAP, Unix, Linux

# Steam System Optimizer (Chevron Corp., San Ramon CA) Oct 2006 – Oct 2007

**Contributions:**

* Lead the Team coordinating design, development, documentation, testing, and training efforts related to project plan
* Escalate policy issues to Project Manager for referral to appropriate policy making bodies
* Consult and mentor technical resources on methods, procedures, and standards to be used during design, development, and unit testing.
* Actively involved in Database design, creation and optimization.
* As UI engineer designed system from a user perspective human factors (windowing, ease-of-use), externals (screens, reports, forms) and usability of the application with faster page loads.
* Developed Web services and validations scripts on client & Server side.

# Environment:

ASP.NET, VB.NET, ADO.NET, SQL Server 2005, IIS 6.0, MS VS.NET Framework 2005, XML, AJAX.NET, VBScript, JavaScript, SSIS, LINQ, SSRS, MS Visio 2000, MS VSS 2005, TDD, MSTest

# Reply! 2.0 (Reply! Inc., Walnut Creek CA) April 2006 – Oct 2006

**Nexgenix (India) Pvt. Ltd, Mumbai September 2004 – April 2006**

**SYSMIC, Mumbai July 2003 – Sept 2004**

**EDUCATION**

* + Bachelor of Engineering (Computer Engineering) , University of Mumbai (2003)
	+ Academic Project at Bhabha Atomic Research Center, Mumbai, India (2002)