**Naresh Vadde**

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**Professional Summary**

* I am a full stack developer with 7+ years of experience in analysis, design and development of software solutions.
* I enjoy learning and implementing new technologies.
* I can work individually or in team environments.
* I have the ability to successfully multi-task and prioritize work.

**Technical Skills**

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| **Skills** | Python, Django, ASP.NET, C#, HTML5, CSS, JavaScript, SQL, Elastic Search( Log Stash, Kibana, Beats), Angular JS, Aurelia JS, Plotly, D3 JS, AWS. |
| **Database** | MS SQL Server, Oracle, PostgreSQL. |
| **Version Control Tools** | GIT, TFS, SVN, |

**Educational Qualification:**

* **Master of Science Computer Science from Texas A&M University – Kingsville (2011-2012).**
* **Bachelors of Technology – Computer Science & Engineering from JNTU-Hyderabad (2006-2010).**

**Professional Experience:**

**Client**: **Merck & Co., Inc. (Merck Research Laboratories-Boston) February 2014 – Current**

**Role: Senior Software Engineer (Python)**

**Project Description 1:**

SKMS provides a platform to answer scientific questions that arise during a drug discovery project in a

structured manner so that the knowledge generated can be easily shared and re-used by other Merck

scientists. The aim is to provide an intuitive web based system that significantly speeds up the generation

and sharing of reports that are created during the drug discovery process.

**Responsibilities**:

Worked as a primary developer for building an application to store/collect and share scientific knowledge across the

departments using Python/Django backend and using Aurelia JS to build an Intuitive front end to answer the questions,

generate reports, collect data (or) visualize the data. Used Redis as the in-memory database to speed up the search of

Gene/Indications(diseases) lookup. Involved in gathering the requirements from the end users. Used Microsoft Graph

API’s to enable collaborative authoring of documents/research plans with in the application.

**Environment:** Python, Django, PostgreSQL, Aurelia JS, HTML 5, Pdf JS, Annotator JS, Git, Jenkins, Redis, AWS

**Project Description 2:**

Utopia Web is a web-based collaborative scientific literature reading system. It is based upon the open-source reading

application, Utopia Docs with its functionality ported to be fully web based instead of a thick client. The main purpose

is to Build an information repository (encyclopedia) of targets that has been or will be evaluated and/or pursued by

Merck which can be easily mined, allows for collaborative knowledge capture and updates and can be accessed

intuitively for use by researchers.

**Responsibilities**:

Worked as a lead to Develop an inhouse web based literature reading tool that can be used to

read/annotate/share/store scientific literature from different sources like science direct, PubMed etc. using

Python/Django as the backend and used Aurelia JS in the front-end. Built pdf reader into the application by customizing

pdf js library and ability to annotate the pdf’s using annotator js library. Built resolver in python to connect to different

data sources to retrieve the data by passing the license information.

**Environment:** Python, Django, PostgreSQL, Aurelia JS, HTML 5, Pdf JS, Annotator JS, Git, Jenkins, Redis, AWS

**Project Description 3:**

Genetics Database is a compendium of carefully harmonized human genetic data, along with a user friendly data

search and visualization interface and a set of power tools to enable more complex calculations.

**Responsibilities:**

I was part of a development team that was tasked with building the Front End using AureliaJS and Plotly to build search

and visualizations. Build API’s to retrieve data from Elastic Search using Python/Django.

**Environment:** Python, Django, Elastic Search, PostgreSQL, Aurelia JS, HTML 5, Plotly, Git, Jenkins, Redis, AWS

**Project Description 4:**

Project Central focuses on end-to-end scientific project tracking. Tracking and management of Experiments, Samples,

Results. Enables planning and execution of Immuno-Oncology biomarker studies and collaboration among researchers.

**Responsibilities:**

I was a full stack developer tasked with development of SSAP module of the Project Central application using

Groovy/Grails as the backend and Angular JS as the frontend framework.

**Environment:** AngularJS, Groovy, Grails, PostgreSQL, Git, Jenkins, AWS

**Project Description 5:**

Model Explorer is a Simulation tool where Modeler’s can create Models and make those models available for other Modelers and Non-Modelers. Non Modelers can use the models created by the modelers and run the simulations on the models and see the output after processing the model on the High Performance Clusters.

**Responsibilities**:

Worked as a full stack developer in a team that was tasked with building part of the application that deals with saving

the data to the database, submit jobs to the cluster and visualize the results returned from the cluster. Built the Users

interface using Angular JS framework and used D3 JS to visualize the results returned by the cluster. Built the API’s using

WEB API and used Entity Framework to create the database. Used Signal R to communicate the job status to the front

end. Worked in Agile/Scrum environment. Set up the application authentication using CAS.

**Environment: .**NET Framework 4.0, Visual Studio 2012, Object Oriented Design (OOD), AJAX, Active Directory, CAS, C#

.NET, MVC 4, MVC RAZOR, CSS, Entity Framework, RESTFULL Web services, HTML, Angular JS, Git, JIRA (Issue Tracking).

**Client: THE MIT GROUP, Oklahoma City, OK August 2013-February 2014.**

**Role: .Net Developer**

**Project Description:**

Donor Care application processes the donor blood test results and will keep track of donor with test values greater than

defined medical rule and sends out letter’s to blood donor’s detailing the elevated medical condition and suggesting the

nearby medical centers to consult. Donor care application is also user to perform the Donor Management (Registering

new donors, updating donor information).

**Responsibilities:**

* Developed Web application using ASP.Net.
* Developed User Interface using JQuery, Java Script, HTML 5.
* Worked with LINQ in customizing insert, update and delete operations (LINQ TO SQL)
* Created WCF services (SOAP) responsible for making calls between Client Application and Data Base.
* Designed custom classes for Data Validations, exception handling and logging.
* Used Integrated Services (SSIS) to extract and transform data from a wide variety of sources such as XML data files, flat files, and relational data sources, then load the data into one or more destinations.
* Involved in designing database objects like Tables, Views, Stored Procedures, Jobs, Trigger’s using SQL Server 2008 R2.
* Used AJAX and JQuery to get the Rich GUI.
* Developed custom reports using SQL server report services.
* Designed the Donor Care Application to interact with different 3rd party API’s, such as 3CLogic (CRM Software) and Google Maps API (To find nearby medical centers based on donor zip code).
* This application is designed to be Subscription based, new Blood Centers can be added by the System Admin and they can work as autonomous units.
* Involved in Bug Fixes and System Testing.

**Environment:** Visual Studio 2012, SQL Server 2008 R2, JQuery, AJAX, C#, ASP.NET, WCF, HTML 5, XML, SVN, SSIS, LINQ, WCF, Teleric Controllers, Crystal Reports.\

**Shell Oil Corporation, Houston, TX May 2012 – July2013**

**.NET Developer**

**Description:** Fuel Rewards program is an application to provide common platform to define components and rules of loyalty rewards program for Shell customers. This application contains modules to define and maintain customer’s Fuel Rewards preferences and Reward balances. It includes modules to allow users to redeem their rewards, view history of rewards. It includes web applications that allow customers to view history of their rewards.

**Responsibilities:**

* Developed the web application based on .NET and web technologies like ASP.NET, Visual Basic, HTML, CSS, AJAX, JavaScript, Multithreading, Entity Framework, LINQ, and so on.
* Worked on Team Foundation Server (TFS) for source control during application development.
* Created various styles for HTML controls, server controls on front-end pages using CSS and ASP.NET Themes
* Created and consumed WCF services Used for the implementation of the registration.
* Maintained batch jobs that are used for generating automated reports and correspondences.
* Worked on ASP.Net Web Application Security like Authentication and Authorization for security policies and security classes in .NET for encrypted signing Data, Code access and users Role based security checks.
* Developed Design Documentation using Class Diagrams, Use Cases, and Activity Diagrams based on User Stories/Scenarios.
* Been the 24x7 support person on call for Production Support during testing.
* Developed the projects using SCRUM/Agile project development methodology and actively participated in daily status meetings.

**Environment:** NET Framework 4.0, Visual Studio 2010, Visual Basic, N Unit Testing, Object Oriented Design (OOD), AJAX, Active Directory, C#.NET, ASP.Net, Entity Framework, XML, WCF Services, SOAP, WSDL, HTML, JavaScript, JQuery, Cascading Style Sheets, UML, IIS7.0, TFS.

**Commonwealth of Massachusetts, Boston, MA Oct 2011 – Apr 2012**

**Software Engineer**

**Description:** Medicaid is a state and federal cooperative venture that provides health-care benefits to eligible residents.5010 is an Upgrade of the existing application 4010 in which we had some enhancements. Facilitates those providers with various claim forms for Professional, Institutional and Dental Claim Types. These claim forms are submitted by the providers and is processed through EDI. This EDI validates the claim submitted and returns the result depending on the request type of the provider.

**Responsibilities**:

* Developed the Web Application using C#.NET, ASP.NET, AJAX and ADO.NET.
* Developed GUI using ASP.NET, HTML, CSS, JavaScript, Custom controls and Telerik controls.
* Developed web pages and validated these pages using ASP.NET and JavaScript.
* Extensively used Data Adapter, Data Set, Data Table, Data View, Data Grid, Data List, Data Repeater and Data Reader for binding data from database to the various web forms.
* Wrote T-SQL queries, T-SQL Stored Procedures and Triggers, which will execute against SQL Server 2008 database in order to extract the appropriate data for each report.
* Created User controls (.ascx) for using on multiple web forms in the application.
* Used Java Script and AJAX for Client side events, styling and Validations on the data prior to being submitted to the database.
* Used XML technologies for news information.

**Environment:** Visual Studio 2008, .NET Framework 3.5, Object Oriented Development (OOD), C#, ASP.Net, IIS 6.0, ADO.NET, SVN, HTML, CSS, JavaScript, Jquery, T-SQL, Stored Procedures, Functions, Triggers, Cursors, XML Web Services, SOAP, WSDL, NUnit testing, SQL Server 2008, User Controls, Telerik Controls, AJAX.