**Sai Aravind**

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**PROFESSIONAL SUMMARY:**

* Over **6+** years of Microsoft .NET framework experience in Analysis, Designing, Development and Maintenance.
* Experience in web and desktop application development involving **C#.NET, ASP.NET MVC, ASP.NET** framework through agile development.
* Experience in working with **Microsoft Azure** services like APP Services, Storage Accounts, Azure Resource Manager templates and provisioning clusters.
* Experience in developing responsive web pages using ASP.NET MVC, **JavaScript, Jquery, Bootstrap**, HTML, CSS.
* Strong Knowledge and experience in **WEB API**, Web Services and Windows Services.
* Good experience in resolving critical level 2 incidents and working on root cause analysis, resolving memory leak issues and application crash issues.

**TECHNICAL SKILLS:**

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| **Web Framework & Cloud Services** | ASP.NET, ASP.NET MVC, Microsoft Azure |
| **Languages & Frameworks** | C#, VB.NET, JavaScript, jQuery, D3.js, Bootstrap, HTML, CSS, XML |
| **Services** | Web API, Webservices |
| **Database** | SQL Server, Oracle |
| **Configuration & code review tools** | Team Foundation Server (TFS), IBM Rational Clear Case, Git, Collaborator Client |
| **Diagnostic Tools** | Fiddler, Postman, Windbg, WER, DebugViewer, ProcessExplorer, DebugDiag |
| **Deployment | Server | other tools** | Octopus, Jenkins | XXAMP and IIS | VMWare |

**PROFESSIONAL EXPERIENCE:**

**Client: University of Central Missouri (Dept of Chemistry)** Present Project at Univ

**Project: Orbital Mapping** **Molecular Model**

Orbital Mapping Molecular Model is an interactive application used for examining the chemical bonding in molecules and predicting the possible reactions.

**Responsibilities**:

* Designed and developed a User Interface to display the orbital mapping using JavaScript, jQuery, Bootstrap, D3.js.
* Incorporated molecular orbital graphical views by creating and fetching JSON data and using D3.js, Chart.js.

**Company: Cognizant Technology Solutions** Sep 2014 – July 2017

**Client: Schneider Electric**

**Role: Associate Programmer**

**Project 1: Wonderware Information Server (WIS)**

**Description:** Wonderware Information Server is a secure web-based portal providing a single point of access to industrial information. The application presents plant data and performance to have a customized view of plant operations.

**Responsibilities:** *Web developer responsible for developments and enhancements in WIS web application.*

* Involved in developments on Wonderware Information Server application using ASP.net MVC.
* Created and updated models from database using database first approach with Entity Framework.
* Used Razor, JavaScript, jQuery, HTML, CSS, bootstrap to develop the view layers.
* Implemented a User Interface to provision tenants and tenant groups using MVC framework.
* Implemented Ajax call using jQuery to send and retrieve data asynchronously.
* Involved in all the scrum activities like standup calls, sprint planning, backlog creation, daily scrum, code reviews and retrospection meetings.

**Project 2: Wonderware Historian & Historian Client**

**Description:** Wonderware Historian is a plant database, capable of storing huge volumes of data generated by industrial facilities. Historian Client is a user interface application used to retrieve and analyze data from multiple areas of the plant.

**Responsibilities:** *Associate .NET Developer responsible for developments and enhancements in Wonderware Historian.*

* Worked on REST API using Web API framework to retrieve tag extended properties from Historian.
* Worked on critical root cause analysis and resolved memory leak issues and application crash issues.
* Worked on views, triggers, Stored Procedures and Functions, and Packages using SQL.
* Involved in enhancing the Real-time and historical data trends and reports in Historian Client using c#.net.
* Used Postman and fiddler to test Rest API.
* Created office 365 task pane add-ins to retrieve Historian data to EXCEL.
* Extensively used diagnostic tools like **WinDbg**, **DebugDiag, Windows Error Reporting(WER), DebugViewer.**
* Used Microsoft Test Manager to create test plan and perform unit testing.

**Project 3: Historian Insight**

**Description:** Historian Insight is a cloud based online version of Historian used for data storage, visualization and reporting.

**Responsibilities:** *Azure developer responsible for implementation of web and worker role for Historian Insight.*

* Worked on provisioning Microsoft Azure Clusters. Provisioning cluster includes creation of Virtual Machines, storage account, MongoDB installation and other network resources using Azure Resource Manager Templates.
* Developed an application for migrating search index from S1 to S3.
* Worked on creating an indexer for tag search and integrated historian search with new indexer framework.
* Worked on implementation of Supervisor Worker role which monitors the tenant and tenant groups and creates dynamic tenant groups based on the tenant count.
* Implemented a worker role to auto-provision S3 HD search service and perform index allocation during tenant creation.
* Used SAS token authentication to access resources in the storage account.
* Deployed applications to dev and test environments using Octopus tool and Jenkins.

**Company: Syntel** June 2011 – Sept 2014

**Client: Allstate**

**Role: Programmer Analyst**

**Project 1: Document Processing System**

**Description:** Document Processing System (DPS) is a web-based document management system used for retrieving

existing claim information and generating documents based on the claim. DPS involves automated document generation,

packaging, printing, enveloping, mailing and archiving of approximately 40k to 60k of Insurance letters per day.

**Responsibilities:** *Web developer responsible for developments and maintenance of DPS web, windows and webservices.*

* Involved in all the phases in software development life-cycle - analysis, design, implementation and deploying DPS applications.
* Designed and developed web application to display document processing details using ASP.net MVC and AngularJS
* Improved customer experience and reduced costs by developing tools using ASP.net MVC to automate document reprocessing.
* Have been to the Client location to provide knowledge transition on the project applications both functional and technical.
* Played vital role in representing team during production deployments by providing on-support call assistance and handing the validations after the deployment.
* Worked on high priority and severity ServiceNow Incidents and provided resolutions for critical level 3 incidents.

**Project 2: Encompass**

**Description:** Encompass is also a document processing web application which handles Home, Auto, Casual, Subrogation and other claims.

**Responsibilities:** *Web developer responsible for developments and maintenance of Encompass applications.*

* Implemented Encompass windows service to process the documents by retrieving the blob from the database.
* Designed and developed several SQL Server stored procedures for all the DML functionality.
* Worked independently with the client for developments in Encompass web application using ASP.NET.
* Created and consumed WCF Services and Web services.
* Involved in all the Production support activities Batch monitoring for both Nextgen and Legacy applications, Archival, Packaging, Printing to name a few.
* Extensively used N-Unit to debug and test Windows and Web services.

**ACCOMPLISHMENTS:**

* **Honor Scholarship award** for working on **Orbital Mapping** **Molecular Model** Project for University of Central Missouri.
* Received Cognizant “**Dairyanoor Award**” - a quarterly award.
* Received **Syntel Excellence at Work** award.
* Developer Break the Ball game using JavaScript, jQuery and D3Js.

**EDUCATION**

* **Master of Science in Computer Science** (will be graduating: August 2018)

University of Central Missouri, Warrensburg, MO

GPA: 3.7/4.0

* **Bachelor of Technology in Information Technology** (May 2011)

Jawaharlal Nehru Technological University, Hyderabad, India

GPA: 3.0/4.0