

Saipavan Teja Koppula

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WORK SUMMARY

- In depth knowledge of web-based application development, ASP.NET web programming, procedural and object-oriented code, debugging and troubleshooting methods, testing techniques, SQL server and visual development environment, code documentation.
- Expertise in C#, server-side programming languages like ASP.NET and MS SQL Server as well as web programming frameworks including ASP.NET MVC.
- Proficiency in Visual Studio, MS Office and database applications and standard web programming languages like HTML, CSS, JavaScript.
- Excellent knowledge in validation of pages at both client and server side.
- Used ADO.NET for SQL database interaction using Data Reader Dataset and Data view.
- Hands on experience with MS SQL server management.
- Thorough knowledge of Object Oriented Programming concepts, C and java.
- Having experience in working on all phases of Software Development Life Cycle SDLC and has implemented projects using Agile Methodologies.
- Hands on experience in Unified Modeling Language UML to develop usecases class diagrams state diagrams.
- Possess extensive experience of writing C programs for different projects, and have a good understanding of data structures and algorithms.
- Ability to understand user requirements and technical specifications as well as design and develop web pages accordingly.
- Excellent communication and presentation skills along with the ability to discuss technical issues or project updates with non-technical audience.
- Ability to keep up with industry trends, technical advancements and IT-related best practices.

TECHNICAL SKILLS

Operating System: Windows 7/8 VISTA

Programming Languages: C, C++, java, SQL, ASP.NET

Web Technologies: HTML, Java Script

Database: MYSQL, Microsoft SQL Server

Version Tools: Git, GitHub

Methodologies: SDLC Agile/Scrum, Waterfall

Work Experience

Role: Software Engineer

June 2017 – Nov 2019

Company: Trimurthi Innovative and Optimal Solutions Private Limited

Location: Hyderabad, TS

Contribution:

- Worked in an Agile team of .NET developers for a fast-paced software development firm.
- Worked on SQL database design projects.
- Integrated back-end services with MVC, .NET and HTML, CSS for the front-end.
- Developed and provided maintenance for .NET websites.
- Implemented .Net classes for Business logic Layer.
- Interface with database and stored procedure using ADO.NET Dataset, Data Reader, Data Adapter and Data Grid.

- Used Java Script to validate the user input.
- Documenting updates for application programs as well as preparing technical user guides including writing operating instructions and references for users.
- Worked under the supervision of senior programmers to gather and analyze clients' requirements and technical specifications as well as design, test, debug, execute and document programs for web applications and websites using ASP.NET with MVC framework.

Role: Graduate Teaching Assistant

College: University of Houston Clear Lake

Contribution:

- Teaching assistant for two courses: C Programming and Web Application Development.
- Engaged in professional development as appropriate and regularly updated subject related knowledge base.
- Attended meetings for assigned projects and programs.

ACADEMIC PROJECTS

Online Global Training Job Training and Career Network

January 2020 – May 2020

University of Houston-Clear Lake; Houston, TX

- This project will explore databases, web applications and web security.
- As a team we created a database structure, created a web application capable of modifying a database, and connected the database with the web application.
- Implemented a few security measures to make the database harder to access from foreign/unwanted sources.
- We have implemented session handling techniques, password encryption with des and stored the encrypted password in database, OTP for forgot password.

***Technologies Used:* Asp.Net, Visual Studio, MS SQL Server, SQL, Html, CSS.**

Multi-Page Web Application for Metric Conversion

August 2020 – December 2020

University of Houston-Clear Lake; Houston, TX

- This is a Multi-page application where we created a master page and have extended it to content pages for consistent look.
- In each content page there is an option to select desired source and target conversion, also provided UI to enter the input value and see the converted output.
- All the conversion values are stored in session and shown in a separate page.
- The conversion logic is implemented in business layer classes.
- Performed validations to verify the input and make sure the application doesn't crash under any circumstance.

***Technologies Used:* Asp.Net, Visual Studio, Html, CSS.**

EDUCATION

Master of Science, Computer Engineering

December 2020

University of Houston-Clear Lake; Houston, TX

GPA: 3.33

Bachelor of Technology, Electronics and Communication

May 2017

Jawaharlal Nehru Technology University; Kakinada, AP

GPA: 3.55