Madhuri Hima Bindu Satturi

Work Permit: Valid Employment Authorization Document (EAD)

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SUMMARY

I am passionate to develop web applications that are functional and easy to use. Looking forward to work with an organization that provides an opportunity to improve my programming skills and abilities and motivate me to learn and perform. My areas of strength are Android Studio, Java script, HTML5, CSS3, SQL, Microsoft Visio.

TECHNICAL KNOWLEDGE AND SKILLS

Languages: C, C++ .Net C Sharp, Java

Front End Development: JavaScript, HTML5, CSS3, XML

Operating Systems: Windows XP/Windows 7/Windows 8/Windows 10

Databases: Relational Database, SQL, PLSQL, MySQL, SQL Server, Oracle

Tools: Android Studio, Microsoft Visual Studio 2010, Microsoft Visio 2010

Application: MS Excel, Word, PowerPoint, Access, Outlook

Software Testing: Manual Testing

SDLC Methodologies: Waterfall, AGILE-SCRUM

EDUCATION

MS in Computer Information Systems, Bellevue University, Bellevue, NE, Current GPA 4.0 –

Winter 2018

Master of Business Administration: Bhavan's Vivekananda College, Osmania University, India (Concentration: Information Systems and Human Resources) - Summer 2005

Business Analyst Course online from BATS

Bachelor of Commerce (B.Com.), Osmania University, India - Summer 2003

ACADEMIC PROJECTS

1. **Project Title: Fitness App (Android Studio)**

   Software Development Capstone

   - A setup/settings screen in which a user can enter or update initial information for themselves like, beginning weight, targeted weight, height, gender.
   - Summary screen showing the statistics of weight, Calculate BMI.
   - Weight Entry Screen, to allow user enter the new weight, new date.
   - History Screen showing the recorded entries of weight.

   It is a Fitness App, which allows to setup fitness goals and allows record and display the daily

   Workout statistics to keep the user motivated to reach their daily fitness goals.

2. **Project Title: Bob's Home Repairs**

   Management & Design of Database Systems

   - Converted the current Bob's Home Repairs Billing System to automated system.
   - Identified Business Rules, Entities, Attributes and Relationships.
   - Designed the conceptual Entity Relationship Data Model using Visio.
   - Designed High Level Context Level Diagram and Data Flow Diagram using Visio.
   - Documentation of analysis of Bob's Project Data Needs.
   - Created Physical database design(Tables, Relationships, constraints etc.) for Bob's Home repair Billing System
   - Created DML SQL scripts for loading the data.

   The Bob's Home Repairs database system is designed to efficiently manage all the transactions of the business.

3. **Project Title: Dinosaur Theme Park**

   Survey of System Development

   - Identifying security issues.
   - Recognized the stakeholders using the theoretical tools like Gartner's magic quadrant.

- Proposed ideas to resolve certain issues.

This is a simulated project, in which we identified improvements and came up with proposal for the stake holders to approve.

4. **Project Title: Calculator Application (Android Studio)**

Mobile Application Development

- Placed buttons, and named buttons from zero to 9 and the basic arithmetic symbols.
- Used Linear Layout.
- OnClickListner inside the view class, to handle the buttons of the calculator.
- The code for the arithmetic symbols.

A Calculator App, designed to process all the transactions that a regular calculator can perform.

5. **Project Title: Health Benefits Application**

Software Testing and Quality

- Created requirement document from the user stories.
- Applied the testing techniques.
- Created different test conditions, test cases, test scripts.
- Applied both white box testing, black box testing, exploratory testing.
- Prepared functional Test plan.
- Calculated the test estimates.

Total Analysis of the application was done using different testing techniques and based on varied user stories. The final recordings were recorded and used to make the presentation.

6. **Project Title: Pizza Ordering Application**

Software Development

- Identify the goal of the system.
- Identify the primary users.
- User Requirements
- UML Activity Diagram

- Risk Analysis
- Select the SDLC methodology that best suits.

7. **Project Title: Business plan for moving administrative services to cloud**

Cloud Computing

- Created the list of administrative services
- That will be benefited and can be managed well by moving to cloud.
- Found the appropriate cloud service providers that would best suit the purpose.
- Researched on any specialized software requirements in order to implement.
- Researched about requirement of separated data store
- Listed the overall requirements that the organization will need to move and manage the following administrative services (Student registration, Financial Aid, Course development) through cloud.