**VINAY KUMAR EGA Email: vinaykumarega@outlook.com**

**Phone: +1-203-693-1525**

**SUMMARY:**

* Proficient with Swift 2.0/3.0, Java/J2EE, C, C++
* Strong knowledge of Object Oriented Programming's concepts, and Software Development Life Cycle(SDLC).
* Exposure in Analysis, Design, Development and Implementation of large-scale, secure Internet/Intranet applications using Java/J2EE technologies.
* Experience and exposure in Developing User Interface (UI) rich Web Applications, using Front End Technologies like HTML5, CSS3, Bootstrap, JavaScript and jQuery.
* Proficient in working with various iOS frameworks Core Data, AV Foundation, Core Location, Core Graphics, Core Animations, MapKit, UIKit, WebKit, Alamofire, Firebase, RxSwift.
* Experienced in web based application programming with Java 1.6/1.7/1.8, J2EE, JSP, Servlets, JDBC and open source frameworks like Spring, Hibernate.
* Developed applications consuming the web services of type RESTful, SOAP and parsing of data using the JSON, XML parsers.
* Proficient understanding of version control tools such as Git, Subversion(SVN).
* Experience developing applications using agile methodologies like Test Driven Development (TDD), SCRUM.
* Good exposure in designing and debugging routines for efficient processing of applications.
* Good at interpersonal, analytical and time management skills.
* A creative and agile team-player with a passion for product quality and attention to minute details.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Programming Languages: | C, C++, Java & J2EE , Swift, C# |
| Web Technologies: | HTML5, CSS, JSP, PHP, JavaScript, AJAX, Angular JS, jQuery. |
| Enterprise Technologies | JSP, Servlets, JSF, Hibernate, Spring, RESTful services, SOAP services |
| Databases: | MySQL, SQLite, PostgreSQL, Oracle 11g/10g, SQL, MongoDB |
| Integrated Development Environments: | Eclipse, NetBeans, Xcode, Microsoft Visual Studio |
| Version Control: | Git, SVN |
| Project Management: | Visual Studio Team Services(VSTS) |
| Application/Web Server: | Apache Tomcat |
| Project Methodologies: | Agile(SCRUM), Waterfall, Agile . |
| Build Tools: | Maven, Jenkins |

**PROFESSIONAL EXPERIENCE**

**Software Developer Aug 2016 - Dec 2016**

**Tietronix Software, Inc., Houston**

**Responsibilities:**

* Worked in an Agile environment with weekly scrum meetings and monthly sprints.
* Participated in all the phases of project implementation involving analysis, design, development, testing and deployment.
* Developed front-end UI using XAML for desktop application, which lets the user drag and drop images on the grid.
* Designed and developed front-end of the web application using HTML5, SCSS, Bootstrap, jQuery.
* Programmed various methods corresponding user actions in desktop application, like a method which will let the user select a folder of images and convert them into thumbnails.
* Developed and maintained the technical documentation with up-to-date programming activity in a systematic and organized way.
* Designed test and debug routines for efficient processing of the application.
* Participated in development and maintenance of functional test plans that adequately test the defined requirements and functions.
* Using VSTS(Visual Studio Team Services) as configuration control system, Visual Studio for development environment and MVVM Design pattern for the application.
* Used Git as a version control tool and to conduct peer reviews on it to ensure code quality is not compromised.

Environment/Tools: Visual Studio, VSTS, MVVM, C#, HTML5, SCSS, Bootstrap, jQuery, ASP.NET, XAML, WPF, NCTech Immersive studio, Iris 360, Git.

**Graduate Student Assistant**

**University of Houston, Clearlake, Houston**

**Project 1:** UHCL Course Registration Portal **Jan 2016 - May 2016**

**Description:**

In this application, students can login in to see courses available for the following semester and can register for a course if admin grants permission or request admin to provide privileges. Professors can also use this portal to provide information of courses they are offering.

**Responsibilities:**

* Involved in gathering requirements, analyzing the project and creating Use Cases and Class Diagrams.
* Utilized Agile Methodology to streamline development process with iterative development and that includes daily scrum meeting's with team.
* Application is developed using Spring MVC model.
* Developed Spring configuration file to define beans and data sources.
* Developed user interface module using JSP, Servlets and MVC framework.
* Extensively used JPA with Hibernate in data access layer to access and update information in the database.
* Used Maven scripts for building and deploying applications.
* Testing application written with spring is simple because environment-dependent code is moved into this framework. Furthermore, by using Java Bean-style POJOs, it becomes easier to use dependency injection for injecting test data.
* Developed client side validations.

Environment: Java, J2EE, JSP, Servlets, Spring MVC, Hibernate, HTML, CSS, JavaScript, SVN, Apache Tomcat Server 8.0, Agile.

**Project 2: Housing in Houston Aug 2015 - Dec 2015**

**Description:**

Housing in Houston is an online porting where people can search houses to rent or to buy in Houston. People can view the images of houses based on their requirements like no. of rooms, area, and price range. Also admin has rights to add the houses or remove them from portal. This application is developed using AGILE.

**Responsibilities:**

* Based on the requirements a design document is created.
* Designed this application following MVC design pattern
* Designed front-end using JSP, HTML, CSS, JavaScript, JSTL, and Bootstrap.
* Created tables and schema for Database.
* Configuring Database and Queries are used to insert, modify and delete the data from database.
* Involved in testing the entire module with different test cases and Bug fixing.
* Added Google maps API for better view of house.

Environment: JSP, Servlets, Apache Tomcat Server 8.0, HTML, CSS, Bootstrap, JavaScript Oracle 11g, CVS, REST Web services, AGILE, GitHub.

**PROJECTS:**

* **WordSpeed Tester (iOS Application)**
* Worked on TableViewController, TabViewController, Timers, UINavigation Controller, UISplitViewController, UIScrolView, Pickers, Segue, Unwind Segue
* Implemented Core Data for persistent storage of user data.
* Created models in MVC and development of delegates for updating model information. .
* Took care of Code Review, Code Fixes and bug Fixes.

Environment: Swift, Xcode, Cocoa Touch, Cocoa framework, Multiple MVC

* **Android Application**
* Developed an Android Application which forecasts a list of universities that a student might be eligible based on multiple factors like Eamcet score, region, gender etc.
* Based on the information given by the user application generates a complex query to lookup into the database for best possible predictions.
* Designed a very user-friendly User Interface(UI)
* Programming Language & Software used: JAVA, Eclipse 3.6.2(Indigo) IDE ADT(Android Development Tool)
* DataBase technology : SQLite
* **Virtual Tour Creator**
* Developed two Windows Desktop Applications one that lets a real estate broker to create a virtual representation of the property and the other that lets a real estate client to view the property.
* Implemented a Grid layout approach where creator could drag and drop images in an order to link them. This process generates an automated script file containing images and their relations.
* Programming Languages & Software used: C#, MATLAB, OpenCV and Visual Studio 2015.
* Frameworks: WPF & MVVM pattern.
* **Comparative Entity Mining from Comparative Questions.**
* Developed a web application that helps the user in comparing various available options during purchasing while defining some parameters like Manufacturer, cost, Model, some specific feature etc.
* Designed a user-friendly Interface.
* Web Technologies: HTML, CSS, JSP, Servlets
* Database Technology: JDBC
* Application Server: Apache Tomcat
* Frameworks: MVC(Model-View-Controller)

**EDUCATION:**

Master of Science- Computer Science GPA: 3.5| May 2017

University of Houston, Clear lake

B.Tech - Electronics and Computer Engineering(ECM) GPA: 3.4| May 2015

Sreenidhi Institute of Science and Technology, Hyderabad, India