

## Tharun Katanguru

469-615-0177

[tharun.katangur@gmail.com](mailto:tharun.katangur@gmail.com)

---

### SUMMARY

- Over 6 Years of Academic Experience in developing Web/Android applications and interactive software products using HTML/HTML5, CSS/CSS3, JavaScript, jQuery, AngularJS, JSON, Bootstrap, XML, XHTML and Phonegap.
- Involved in Requirement Analysis, Design, Development, Implementation, Testing, Debugging and Maintenance of various application in Web, Android and Data warehousing domain.
- Experience on Web Technologies using HTML5, CSS/CSS3, XHTML, JavaScript, JQuery, Angular JS, XML, JSON and REST services.
- Profound Knowledge in developing HTML pages using DIV layout, Web Accessibility and Web Usability and strong Experience in dealing with CSS Animations, Backgrounds, Layouts, Positioning, Text, Border, Padding and CSS Box Model.
- Experience in using AngularJS for creating user interface and single page web applications (SPA) and integrating jQuery plug-ins and Widgets into the project.
- Expertise in developing Android apps using SQLite, Java, XML, JSON, Google Maps API, PayPal API, Facebook API, JavaScript, Webview and GPS Location Data.
- Experience on Android UI components such as TextView, ListView, Customized ListView, Menus, Edit boxes, Buttons, Checkboxes, Dialogs, Alert boxes, Status Notifications, Action bars, Footer Navigation, Fragments and Spinners for various layouts in Application development.
- Hands on experience using the version controls like GIT, SVN and project management tools like JIRA.
- Experience in creating wireframes, mockups, storyboards, sitemaps, Prototypes and graphic elements in Adobe Creative Site, Axure RP and Sketch.
- Responsible for Checking Cross Browser Compatibility of different elements and tags hence worked on different browsers like Internet Explorer, Google Chrome, Firefox, Opera, and Safari.
- Worked on various database technologies like MySQL, Oracle, SQL Server and MS-Access.
- Good knowledge on Cordova/PhoneGap for developing Android/IOS applications from native HTML CSS, Javascript.
- Extensive experience in UAT, functional testing, browser compatibility testing with open source tools like Selenium (IDE,RC) and experience working with testing tools like Firebug, Firebug Lite, Chrome or safari web inspectors and IE Developer Toolbar.
- Knowledge of full software development cycle, including code reviews, source control management and working knowledge of Agile.
- Profound knowledge in creating Test Plans, Test Cases, Test Scenarios and Test Strategies, Defect Management to ensure Quality Assurance and to test all the business requirements.
- Involved in Design and review of various documents including the Software Requirement Specifications (SRS), Business requirements document (BRD), Test plan Document.
- A highly motivated self-starter and a good team-player with excellent written, verbal, and presentation skills that translate data into decision support and high attention to detail.

- Technically savvy web developer, an ambitious and natural problem solver with a passion for working with new technologies.

## EDUCATION

University of Texas, Dallas, Master of Science, December 2015

G.P.A. 3.5/4.0      Major: Computer Software Engineering

Kakatiya Institute of Technology and Science, Bachelor of Technology, May 2014

G.P.A. 3.7/4.0      Major: Computer Science

## CERTIFICATIONS

W3schools.com Certified HTML 5 Developer

## TECHNICAL SKILLS

Web Technologies	HTML 5/HTML, CSS3,CSS2, JavaScript, jQuery, DHTML, JSON, XML
UX Design Tools	Adobe Creative Suite, Axure RP, Sketch
Programming Languages	C, Java, PL/SQL, SQL and Shell Scripting
Database Technologies	Oracle 10g/11g, Microsoft Access, My SQL, Teradata
IDE's	Eclipse, Android Studio, Phonegap, Visual Basic, Netbeans
Servers	Apache Tomcat, Openshift
Libraries	AngularJS, backbone.js, NodeJS
Operating Systems	Win 95/98/2000/XP/7, UNIX, MAC OS X
Methodologies	Agile, Waterfall, RAD
Testing / Defect Tracking Tools	Selenium (IDE, RC), Firebug, JIRA
ETL Tools	Informatica Powercenter 9.1
Others	Git, Sublime Text, Notepad++, Adobe Dreamweaver, Photoshop, Wordpress CMS, Toad, SQL Developer, CA Erwin
Auxiliary Skills	MS Office Suite, Astah, Microsoft Visio, IBM Rationale Rose, ER Modelling, UML

## PROFESSIONAL EXPERIENCE

**Tech Theme Solutions, Dallas, TX**

**Dec'15 – May'16**

### **UI Developer Intern**

- Involved in the Software Development Life Cycle phases like Requirement Analysis, Implementation and estimating the time-lines for the project.
- Translate business goals and user needs into an easy-to-use mobile app experiences by quickly prototyping ideas from low-fidelity wireframes concepts to high-fidelity deliverables.
- Extensively involved in redesigning the entire site with CSS styles for consistent look and feel across all browsers and all pages.
- Designed dynamic and browser compatible pages using HTML5, CSS3 and JQuery.
- Created and developed the web-page layout and positioned/developed design elements, using Dreamweaver, HTML and Adobe Photoshop.
- Designed Frontend with in object oriented JavaScript Framework like bootstrap, Backbone.js, Node.js and Angular.js.
- Designed dynamic client-side JavaScript, codes to build web forms and simulate process for web application, page navigation and form validation.
- Worked with the team of senior developers and back-end developers to gather requirements and enhance the application functionality and add new features.
- Experienced use of project management software (JIRA) for Issue Tracking, Maintaining Tickets specific to bug fixes and enhancements.
- Widely used optimization techniques in existing code to decrease much use of JavaScript in creating dynamic functionality, with the use of CSS classes.
- Handling cross browser/platform compatibility issues (IE, Firefox, and Safari) on both Windows and Mac.
- Tested/De-bugged on browser using Firebug and Selenium IDE.
- Coded Java Script for page functionality and Lightbox plugins using JQUERY.

**Environment:** HTML5, CSS3, Sublime Text, JavaScript, Adobe Photoshop, Dreamweaver, Bootstrap, JQuery, Angular.js, Git, Jira, Apache Web Server 2.2, Java, JSP.

**Ashayam Technologies, Warangal, IN**

**Jan'13 – May'14**

### **Web Developer Intern**

- Developed the User Interactive web pages in a professional manner using web technologies like HTML, XHTML and CSS2 based on the W3C and ADA standards.
- Translated business goals and user needs into an easy-to-use mobile app experiences by quickly prototyping ideas from low-fidelity wireframes concepts to high-fidelity deliverables.
- Observed, interviewed, and tested users of in-house CMS software. Translated findings into business requirements.
- Developed content taxonomies for various systems including eCommerce, News Management and Direct Marketing web-based applications.
- Built interactive prototypes that clearly demonstrated business requirements, use cases, and user interface design specifications.

- Performed heuristic evaluation of various Web pages and issued recommendations for improvement.
- Educated coworkers about design and usability best practices.
- Creating cross-browser compatible and standards-compliant CSS based page layouts.
- Worked on fixing cross browser compatibility issues.
- Created Valid HTML, CSS templates.
- Created and deploying new features in order to sustain and amend existing applications.
- Responsible for maintaining current websites that includes updating the web pages, uploading new content/changes etc.
- Developed client side validation code using JavaScript and JQuery.
- Created pages in Site Core and validating the HTML code with W3C Validator.
- Fixed the HTML errors in site core content editor.
- Fixed Front-End issues with the layouts.
- Highly involved in making updates to the current website and simultaneously handling other projects.
- Provided Print advertisements - magazines, flyer, Branding graphic design services for small business and local educational institutions

**Environment:** HTML, CSS, JavaScript, JQuery, XML, AJAX, Axure, Usability Testing, Agile methodology, Adobe Dreamweaver, Photoshop, Illustrator, Indesign.

## ACADEMIC PROJECTS:

### Data Warehouse Development:

### University of Texas at Dallas

- Involved in Data Migration project of several data streams from flat files to Oracle database.
- Responsible for Extracting Data from various source databases like Oracle, SQL Server, Flatfiles, CSV files, MySQL.
- Performed basic Transformations on the Staging tables like Filter, Router, Aggregator, Lookup, Update Strategy, Sorter, Rank and Union by creating complex mappings and loaded the final data in to Target Tables.
- Implemented slowly changing dimension Type 1 and Type 2 for Change data capture using Version control.
- Involved in documenting Conceptual, logical and Physical data modelling and building the enterprise data warehouse model using CA Erwin

**Environment:** Informatica Power Center 9.1.0, Erwin 4.0, Oracle 12c/11g, PL/SQL, ,SQL Server 2005/2008, Flatfiles, CSV, TOAD 9.7.2.

### Uber Clone Android App:

### University of Texas at Dallas

- Responsible for creating efficient design and developing Admin Portal screens using HTML, CSS3, JavaScript, jQuery, AJAX and JSON

- Developed a Clone Android application for Uber as part of course work. API's such as Google Maps, Google Places, PayPal and Google plus were implemented.
- Implemented location based API using Location Manager and Maps Fragment to locate the clinic in the neighborhood and calculate the nearest one using Geocoder API.
- Worked on Locating the Nearest Drivers by placing the pin points on map using Location and Marker API.
- Extensively utilized AsyncTask, Thread and handler to provide smooth UI experience.
- Involved in GeoTag and GPS Tracker to find location of each user and calculate distances of each user from the nearest stores.
- Worked with Generating the Google Map API key to access the Map features in Application.
- Worked on drawing routes between two locations on Google Map in application. Requirements Specification Document, Design diagrams were delivered along with unit testing on the application.

**Environment:** Java, Android Studio IDE, REST API, JSON, Git

### **Library Management System:**

**University of Texas at Dallas**

The main objective of this project is to capture the functional requirements of Library Management System, modelling the requirements, coming up with a relationship matrix, conducting an impact analysis and report customization as a part of course work. SRS Document, Design diagrams along with the product were delivered.

**Environment:** Java/Swing, MySQL, Eclipse

### **Restaurant Automation System:**

**University of Texas at Dallas**

This project computerizes restaurant operation so that all information pertaining to waiter's orders and staff activity will be conveniently shared and stored in the system. Implemented the project as a part of coursework by developing Domain model, Use case, Operation Contracts, Supplementary specification documents, Use case Realization diagrams with the help of IBM Rational Rhapsody Tool. Client Application was developed in Java/Swing and necessary odbc connections to backend databases were implemented for

**Environment:** Java/Swing, MySQL, Eclipse

### **Software Testing, Verification, Validation & Quality Assurance:** **University of Texas at Dallas**

- Involved in designing and documenting Test Strategies, Test Plans, Test Cases, Test Scripts and thorough analysis of system requirements specification.
- Analyzed and maintained requirements and created Traceability Matrix (RTM) between requirements and Test Cases.

- Performed Unit test, Integration Test, Business Function test, User Interface test that were performed on the application under test.
- Tested the breadth of functionalities offered by the application using Selenium IDE and then created Documents as per IEEE standards by preparing test cases, grouping them into test suites, recording and writing checkpoints to verify whether the software performs the desired functionalities.
- The breadth of the functionalities tested were File and Image upload, Editing, Payment processing and moving pages, Login and Administration Rights Management, links and navigation.
- In another project, functional Testing is done on the Unix Spell command to conform all functional specifications and used Xsuds to measure the block, decision, c-use and p-use coverage with respect to their test cases.

**Environment:** Selenium IDE, Javascript, MS Excel, xSuds Tool Suite

### **Movie Recommender System:**

**KITS Warangal**

This project is based on Category based Collaborative Filtering Approach where ratings from several users are filtered to provide the best recommendation to the user. Developed the offline web application, performed information filtering mechanisms on movie lens data set and formulated queries for data entry.

**Environment:** Java/Swing, MySQL, Eclipse