

## THARUN KATANGURU

Phone: +1 469-615-0177

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

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### PROFILE

Business Intelligence Consultant with experience in Traditional BI, Advanced Reporting Analytics, Data warehousing management, Frontend Web Development to leverage a heavy dose of mathematics and applied statistics with visualizations and data exploration. Extensive exposure of scoping, designing, developing, deploying, and supporting enterprise scale business/e-commerce application, SaaS, Data Integration, Statistical/Predictive Models, Reporting, Database Analysis, Data Migration (ETL) using Agile, Waterfall and Iterative development methodologies.

- Project Life-Cycle Management
- Requirement Gathering & Analysis
- Data Visualizations
- Predictive Analytics
- Client Relationship Management
- WebFOCUS Reporting and Administration
- Performance Optimization Enhancement
- Location Based Analytics

### SUMMARY

- Experience in developing Interactive Web applications using HTML/HTML5, CSS/CSS3, JavaScript, jQuery and Bootstrap for Data warehousing and Business Intelligence Domains.
- Involved in Requirement Analysis, Functional Analysis, Design, Development, Implementation, Testing, Debugging and Maintenance of various BI applications.
- Technical expertise for development of business intelligence service offerings and content creation using institutionally designated approaches and technologies.
- Strong experience in synthesizing the Business Requirements, Data Models and determining Key Performance Indicators to evaluate key factors crucial to the success of Organization.
- Extensive experience in developing Reports, Charts, Dashboards and Portals with Responsive Web Design for visualizing the KPI's on IBI's WebFOCUS App Studio, Developer Studio, Info Assist, InfoAssist Plus and experience in Scheduling and Distribution of Reports/Charts using ReportCaster.
- Expertise in design and development of custom data visualizations like Charts, Reports, ESRI Choropleth Maps for Geo data using D3.js for displaying Key Performance Indicators and integrating WebFOCUS dashboards.
- Experience with creating ETL processes to source and link data. to identify trends and relationships between different pieces of data, draw appropriate conclusions and translate analytical findings into risk management and marketing strategies that drive value.
- Worked on ESRI Configuration Utility in WebFOCUS 8 and analysis of interaction of WebFOCUS reports to the ArcGIS Map Server for Location Based Analytics.
- Good Knowledge on reporting concepts like Focus Language, Compound Reports, Metadata Creation, Active Reports, Sql Pass thru, Dynamic chaining controls, Multilevel drop down reports, Guided Adhoc Reporting, Security and administration.

- Hands on experience with WebFOCUS RStat for delivering Predictive and Statistical Models for Advanced Analytics with in FOCUS Reports and cutting edge algorithms utilizing diverse sources of data to predict demand, risk and price elasticity.
- Hands on experience using the version controls like GIT, SVN and project management tools like JIRA.
- Responsible for Checking Cross Browser Compatibility of HTM/HTML files and tags hence worked on different browsers like Internet Explorer, Google Chrome, Firefox for ensuring responsive web design.
- Worked on configuring various data adapters and creating synonyms for MySQL, Oracle, SQL Server, Teradata, Flat, Delimited Files, Lotus Notes, JSON, RESTful web services and social media sites.
- Experience in delivering UX documentation like wireframes, mockups, sitemaps, Personas, storyboards, user scenarios, Storyboards, taxonomies, prototypes, user flows, manuals and design patterns with Adobe Creative suite, Sketch, Balsamiq and Axure RP 7.
- Knowledge of full software development cycle, including code reviews, source control management and working knowledge of Agile.
- Expert 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.

## 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

## TECHNICAL SKILLS

Web Technologies	HTML 5/HTML, CSS3, CSS2, JavaScript, jQuery, Bootstrap 3, JSON, XML, D3.js , REST Services
BI Tools	IBI WebFOCUS Suite 7.x, 8.x [ Developer/App Studio 8105, Reporting Server, InfoAssist, InfoAssist Plus 8.2 (BUE Edition), RStat 1.6, BI Portal, ReportCaster], Microsoft Excel , R Studio, Tableau, Power BI
Programming Languages	C, Java, SQL and Shell Scripting
Database Technologies	Oracle 10g/11g, Microsoft Access, My SQL, Teradata, SQL Server 2012/2014
ETL Tools	Informatica PowerCenter 9.x
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, Redmine, Kunagi
Others	Git, Sublime Text, Notepad++, Adobe Dreamweaver, Illustrator, Photoshop, Drupal, Wordpress CMS, Toad, SQL Developer, CA Erwin

Auxiliary Skills	MS Office Suite, Astah, Microsoft Visio, IBM Rationale Rose, ER Modelling, UML
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## **PROFESSIONAL EXPERIENCE**

**Amtex Systems, New York, NY**

**June'16 – Till Date**

**BI Consultant**

- Work closely with various teams across the company to identify and solve business challenges.
- Monitoring execution of major signature programs from the stage of creating & managing project plans, keeping close track of delivery related schedules and updating stakeholders.
- Providing Best Practice and solutions for the clients, advising them on usage information technology to meet their business objectives or overcome problems; improving the structure and efficiency of IT systems.
- Analyzing requirements of clients, giving independent & objective advice; developing agreed solutions and implementing new systems; guiding clients on business transformation and change-management activities.
- Understanding clients business and identifying cost-effective technical solutions that meet business needs & future potential business development opportunities; taking ownership of customer concerns and consistently improving customer satisfaction through weekly client communication.
- Working with the Business and IT Teams on finalization of requirements, documenting them and publishing to the support teams to set deliverables as a part of project plan; maintaining project documentation such as FRD (Functional Requirement Document), UX/UI Prototypes and process related documentation.
- Initiating, planning, scheduling and tracking projects; participating in project risk assessment and status reporting including monthly status report & weekly status reports.
- Implement heavy use of advanced Graphing capabilities within WebFOCUS for Executive Summary dashboards, Credit Analyst Scorecard, Scorecard Analysis, Sales Rep Scorecard reports, actual versus projected losses, and delinquencies over time.
- Worked closely with the Data Analysts to develop the DW and ETL data mapping and Workflows in IWay Migrator, Informatica PC and schedule ETL Jobs.
- Developing Reports, Charts, Dashboards and Portals for visualizing the KPI's on IBI's WebFOCUS App Studio, Info Assist and Info Assist Plus.
- Creating data Visualizations like Choropleth Maps, Gauge Charts, Chord Maps using D3.js, Fusion, Grafana, Morris.js and other external charting libraries.
- Experience in Scheduling and Distribution of Reports/Charts using ReportCaster with burst option based on distribution lists.
- Monitoring WebFOCUS administration and security along with CM package management and migration process.
- Experience in creation Statistical models in RStat for delivering Predictive / Statistical Models and incorporating in WebFOCUS reports for forecasting the sales projections.
- Development of complex reports by extracting data from multiple tables using joins or other techniques of merging data and developing active, drill down reports and use of Bootstrap, D3.js, JQuery for styling and Responsive Web Design of reports.

**Environment:** SQL, WebFOCUS 8.2.01/ 8.1.05/ 8.0.0.9,/7.7.05 , Informatica PowerCenter 9.6.1, Report Caster, App Studio, Developer Studio, InfoAssist, RStat 1.6, SQL Server 2012/2014, Fex, HTML, CSS 3, JS, Angular JS, Bootstrap, JQuery, D3.JS, Erwin, Balsamiq, Oracle 10g/11g, Redmine, Kunagi.

## **PROJECTS:**

### **Guided Adhoc Reporting Implementation – STAPLES Promotional Products, Overland Park, KS**

**Period-** Sep 2016 to Oct 2016

**Role** – BI Consultant

**Environment** – WebFOCUS 8.0.0.3/7.7.05, Oracle 11g, Developer Studio, Bootstrap.

**Scope:** “Ship to Self Service Reporting” is a Guided AdHoc web application that let users to build custom reports across 10 views, schedule and share them on the fly formats like HTML, PDF and Excel.

#### **Tasks –**

- Gathering requirement based on the business need from client and creating high level design mock-ups, prototypes and User flows.
- Worked with BI Team to create business views, reporting objects and master synonyms from 4 fact and 8 dimension tables and defined metadata with proper business descriptions for end users.
- Created Responsive HTML pages with lightweight Controls, Metadata Search and JS validations and integrated WebFOCUS framework work for Custom Reporting.
- Working on user guide document explaining the application features, specification used and the steps to alter the existing filters used in the reports and charts.
- Holding daily status review meetings with customer and sharing the progress of project with stakeholders.

### **Migration from WF 769 to WF 8009 – CROWN CASTLE, Houston, TX**

**Period-** Oct 2016 to Nov 2016

**Role** – BI Consultant

**Environment** – WebFOCUS 8.0.0.9/7.6.9, Oracle 11g, SQL Developer, Reporting Server, Developer Studio, Bootstrap, JQuery

**Scope:** The migration involved 36 launch pages built using custom Java Scripts and 360+ WebFOCUS Reports in PDF/Excel/HTML output format. The 36 launch pages are rebuilt in new version to take advantage of new BI portal feature of WebFOCUS 8.0.09.

#### **Tasks –**

- Planning, executed, monitored & controlled large and small reporting procedures.
- Perform code remediation after running the migration utility of WebFOCUS to move the code from WF 7.6.9 release to WebFOCUS 8.0.09 release.
- Analyse existing HTML pages in TEST and PROD environments and recreate them in DEV and promote.
- Implemented WebFOCUS custom security groups for access privileges on the dashboards and portals.

- Perform browser compatibility, unit testing and resolved directory and referencing issues.
- Created Dynamic distribution lists and recreated schedules using ReportCaster.
- Provided production support for the application, reviewed the issues raised by the users, conducted impact analysis and coordinated for implementation

## **Store Manager Dashboards/Legacy Reports Replacement/ WebFocus 8009 to 8105 Migration – WEIS MARKETS INC, Sunbury, PA**

**Period-** Nov 2016 to Present

**Role** – BI Consultant

**Environment** – WebFOCUS 8.0.0.9/8.1.05, Oracle 11g, Developer Studio, Bootstrap, SQL Developer, Kunagi, DataMigrator, InfoAssist, ReportCaster, ESRI Configuration Utility, RStat 1.6.

**Scope:** Develop Sales Executive, Store Manager Dashboards for Department Managers over Asset Protection, Accounting, Marketing, Merchandising Departments and Individual store managers with Sales Forecast, Retail Metrics, Customer Experience Statistics and Inventory Tracking.

### **Tasks –**

- Gathering requirement based on the business need from Managers, Executives, End Users and creating high level design mock-ups, prototypes, visualizations for Dashboards.
- Worked with data warehousing Team to create business views, reporting objects and master synonyms from Oracle, SQL Server sources consisting transactional, inventory, spending and Sales data.
- Identified KPI's for sales forecast projections, Item tracking and Responsive HTML pages based on Angular JS for compatibility on Mobile/Tablet and various resolutions.
- Implemented ESRI Maps with in the dashboard for projecting heat based choropleth sales at zipcode, county, city and state level.
- Developed compound Excel/PDF reports using Macro Templates integrated with reporting data and created weekly schedules to deliver reports to store managers.
- Customize legacy reports and rebuilding in WebFOCUS 8105 along with providing InfoAssist/App Studio Training to non-technical end users.
- Holding daily status review meetings with customer and sharing the progress of project with stakeholders.

**AmtexBI, New Brunswick, NJ**

**Jan'16 – May'16**

### **BI Developer Intern**

- Involved in the Software Development Life Cycle phases like Requirement Analysis, Implementation and estimating the time-lines for the project.
- Involved in Prototyping, Iterative Refinement of Design Ideas, Content Style guides, page layouts, color palettes, Construction of Site Maps, Flowcharts, Use Cases, Detailed Design Specifications, and User Manuals
- Handled designing Low and high fidelity mockups with Balsamiq, InDesign, PowerPoint, Visio, HTML, Proto.io and Axure.
- Worked on Information Architecture, Development Task flow and Usability Analysis of the existing projects.

- Developed a standard design pattern & heuristics library for the quick reference of developers & designers in designing HTML pages and Dashboards.
- Extensively involved in developing Model and POC Dashboards with Bootstrap CSS styles for consistent look and feel across all browsers and all pages.
- Experienced use of project management software (Redmine) for Issue and Time Tracking.
- Handling cross browser/platform compatibility issues (IE, Firefox, and Safari) on both Windows and Mac.
- Trained in WebFOCUS Security and Reporting Administration courses related to Metadata Essentials, BI portals, BUE, InfoAssist, ReportCaster, InfoApps and RStat.

**Environment:** HTML5, CSS3, Sublime Text, JavaScript, Balsamiq, Axure RP, TOAD, SQL Server 2012/2014, Dreamweaver, JQuery, Node.js, Angular.js AJAX, Git, Redmine, WebFOCUS Product Suite

## **Ashayam Technologies, Warangal, India**

**Jan'13 – May'14**

### **Web Developer Intern**

- Involved in Usability Test Design and Administration, Quantitative and Qualitative Research Methods, Statistical Analysis, User Analysis, Survey Design, Interpretive Evaluation, Heuristic Evaluation, Cognitive Walkthrough, Task Analysis, Workflow Analysis, Naturalistic Observation, User Interviews and Rapid Prototyping.
- Studying feedbacks and users documentation to define the work had to be done on the new website design project.
- Worked on Information Architecture, Task flow and Usability Analysis of the existing products.
- Designed dynamic and browser compatible pages using HTML5, CSS3, JQuery and Ajax.
- Created and developed the web-page layout and positioned/developed design elements, using Dreamweaver, HTML and Adobe Photoshop.
- Designed dynamic client-side JavaScript, codes to build web forms and simulate process for web application, page navigation and form validation.
- Experienced use of project management software (JIRA) for Issue Tracking, Maintaining Tickets specific to bug fixes and enhancements.
- 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, Node.js, Angular.js AJAX, Git, Jira, Apache Web Server 2.2, Java, JSP.