

# Sree Godavarthi

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## SUMMARY

- **3+ years** of professional experience with solid understanding of Object Oriented Design and analysis with experience in the full life cycle of the software design process including requirement definition, prototyping, Proof of Concept, Design, Implementation and Testing.
- Hands on experience in the development of Software Applications, coordinating with teams in Onsite-Offshore model. Worked in **Financial Services** and **Healthcare domains**.
- Expertise in **HTML5/CSS3** development and have experience in **Angular.js, Node.js, Express.js** and Responsive design.
- Worked on Responsive Web Design (RWD) using media queries and **Bootstrap**
- Proficient in Model View Controller (MVC) Framework like Angular.js for creating Single Page Application (**SPA**)
- Hands on Experience with Source code management tools **Git, Stash** and **SVN**.
- Have experience integrating with **RESTful APIs** for server-side functionality using **Node.js** and Continuous Integration tools like **Jenkins**.
- Experience with Mobile Application Web Development using **jQuery Mobile** and **Twitter Bootstrap**.
- Experience in designing Business Intelligence applications using **WebFOCUS** products **Portal Designer, InfoAssist+, Application Studio**.
- Integrated UI Frameworks and libraries Bootstrap, jQuery into **WebFOCUS AppStudio**.
- Experience working on scalable environment in agile methodology and SCRUM teams.
- Able to communicate effectively with both technical and non-technical project stakeholders.

## EDUCATION

**Master of Science, Electrical and Computer Engineering**

Colorado State University (CSU), Fort Collins, CO

**Dec 15**

GPA: 3.52

**Bachelor of Technology, Electronics and Communication Engineering**

Jawaharlal Nehru Technological University (JNTU), Kakinada, India

**May 13**

GPA: 3.80

## TECHNICAL SKILLS

<b>Web Development Technologies</b>	HTML5, CSS3, LESS, JavaScript, jQuery, D3.js, RESTful Web Services, AJAX, JSON, Grunt, Bower, JUnit, Jasmine, Karma, Protractor, Chrome Developer Tools, Firebug
<b>Frameworks</b>	AngularJS, NodeJS, ExpressJS, Bootstrap3
<b>Database</b>	SQL Server 2012/2014, Oracle 10g/11g, MySQL, MongoDB
<b>Tools</b>	Git, SVN, Postman, SOAP UI, Eclipse IDE, Jenkins, Sublime, Visual Studio, MongoDB, Balsamiq, Adobe Photoshop, MockPlus, UML, Microsoft Office Suite
<b>BI Technologies</b>	WebFOCUS 8.1x and 8.2x Application Studio, WebFOCUS InfoAssist+, Portal Designer, WebFOCUS Maintain, SQL Server Management Studio
<b>Project Management</b>	Agile (Scrum) Methodology, Waterfall

## PROFESSIONAL EXPERIENCE

**Amtex Systems, New York, NY**

**Mar 17 – Current**

**Client: State of Michigan**

**Application Developer**

### Self-Service Guided Ad-Hoc

Developed a complex Self-Service Guided Ad-Hoc application. Designed and created a dashboard for “WIC (Woman, Infants and Children)” – Food and Nutrition service program in “State of Michigan” to accommodate the application. Created necessary security protocols and filtering processes to ensure that data is restricted to only those that are authorized to view the data.

- Designed out of the box “**Business Intelligence**” application with the theme “Don’t BI, Just Search!” that allows the user to see the reports generated dynamically on the typeahead.
- Application interacts with **RESTful web services** using **AJAX, JSON** data to generate the required reports from the metadata created in **WebFOCUS AppStudio**.
- Typeahead functionality was implemented using “**Twitter Typeahead**” plugin and the chips are created using “**Bootstrap Tokenizer**”.
- Worked closely with Graphic designers to implement mock-ups and the layouts of the application using **HTML5, CSS3, JavaScript and AngularJS**.
- Used **Bootstrap** and media queries to create a responsive website that fit all users and devices from desktop to tablet and mobile phones.
- Created forms to collect different user data and implemented form validation in **AngularJS**.
- Creating data Visualizations like Choropleth Maps, Gauge Charts, Music spike charts and comparison area charts using **D3.js, stocCharts.js, Fusion** and other external charting libraries.
- Coded responsive HTML pages with lightweight controls, metadata search, JS validations and integrated into **WebFOCUS** framework for Custom Reporting.
- Integrated the application into the dashboard created using **WebFOCUS AppStudio 8201** and Portal Designer.
- Created test plans, test cases and **UAT** for the deployment process.

**Environment:** *HTML5, CSS3, JavaScript, jQuery, Bootstrap, Angular.js, D3.js, WebFOCUS 8201, AppStudio, Portal Designer, InfoAssist+, SQL Server Management Studio*

**American Express, Phoenix, AZ**  
**Front-End UI Developer**

**Apr 16 – Mar 17**

#### **APaaS – HiROC**

APaaS – HiROC is a Data as a Service (Daas) project that enables the business user to generate a custom file which includes elements such as Payment method, transactions, total spend amount etc. The goal of this project is to generate data files for the business which will in turn enable American Express to reach out to high transaction merchants as a payment mode.

- Built official website as part of the Data as a Service (DaaS) project that enables the business user to reach out to high transaction merchants as a payment mode. (**AngularJS, NodeJS**)
- Worked with cross browser compatibility issues to ensure the smooth running of application and all its features on different browsers.
- Coded dynamic and responsive UI web pages using **CSS3, HTML5, Bootstrap, JQuery** and **AngularJS** in **MVC** environment.
- Used **Node.js** and **Angular.js** MVC Frameworks in the development of the web application.
- Used **Angular expressions** and built-in directives to render functionality to the UI.
- Created animation effects during the data load, waiting for the Ajax response using **ng-animate**.
- Developed Single Page Applications (**SPA**) using AngularJS route Providers.
- Involved in writing application level code to interact with API's, **RESTful** Web Services using **AJAX**.
- Tested the web services with **SOAP UI** tool.
- Utilized **Grunt.js** for build/deploy automation and generating the website.
- Used **JIRA** extensively for organizing issues, tracking the assigned work, and following team activity.

**Environment:** *HTML5, CSS3, JavaScript, jQuery, Bootstrap, AngularJS, NodeJS, ExpressJS, JIRA, Confluence, Git, Visual Studio, SOAP UI, Eclipse, Chrome Developer tool, Firebug.*

**Colorado State University, Fort Collins, CO**  
**Web Developer Intern**

**Aug 14 – Dec 15**

Involved in Usability Test Design and Administration, Quantitative and Qualitative Research Methods, Statistical Analysis, User Analysis, Cognitive Walkthrough, Task Analysis, Workflow Analysis, Naturalistic Observation, User Interviews and Rapid Prototyping.

- Designed dynamic and browser compatible pages using **HTML5, CSS3, jQuery** and **AJAX**.
- Worked on Information Architecture, Task flow and Usability Analysis of the existing products.
- Analyze feedbacks and user documentation to define the work had to be done on the new website design project.
- Created and developed the web-page layout and positioned/developed design elements, using **Balsamiq, MockPlus, 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.
- 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.*

## HONORS AND ACHIEVEMENTS

- Awarded with “Above and Beyond Call of Duty” on presenting a technical session on latest trends in Front-End web development.
- Rewarded with scholarship of 5000USD for meritorious academic performance in “Electronics and Communication Engineering” from Jawaharlal Nehru Technological University.
- Second position in Anokha 2K13, a National Level Technical Paper Presentation Contest for “Image Enhance of Alien Topography”.

## PROJECTS UNDERTAKEN

### Self-Service Guided Ad-Hoc

- Designed **Guided Ad-Hoc** application that allows the users to generate reports dynamically. (**HTML5, CSS3, jQuery, Bootstrap**).
- Application interacts with **RESTful webservices** using **AJAX, JSON** data to generate the required reports on the user input.

### APaaS – HiROC

- Built official website as part of the Data as a Service (DaaS) project that will enable the business user to reach out to high transaction merchants as a payment mode. (**AngularJS, NodeJS**)
- Worked with cross browser compatibility issues to ensure the smooth running of application and all its features on different browsers.

### My Data – A Data Driven App

- Designed a mobile-first responsive website enabling multiple users to push and pull data at the same time, in real time. (**AngularJS, Bootstrap, Firebase**)
- It was designed for scheduling meetings and reward random checked-in users with prizes.

### Healthcare Analytics

- Analyzed healthcare data to get KPI's, designed and developed “Health Care Analytics Dashboard” for using WebFOCUS Portal Designer and AppStudio. (**HTML5, CSS3, jQuery**)
- Created metadata using InfoAssist+ to enable self-service reporting.

### College Scorecard

- Designed college scorecard application for “Sam Houston State University” which enables the students to find the college that's best suited to them. The college results are generated dynamically based on the user selection.
- The Single Page Application was designed using cutting-edge technologies **Bootstrap3, AngularJS** and **jQuery**. Integrated application into WebFOCUS AppStudio.

### Routing Packets within a Structured Peer-to-Peer (P2P) Network Overlay

- Distributed Hash tables (DHTs) are structured peer-to-peer (P2P) systems that have demonstrable scaling properties.
- The simplified DHT that I built uses information about a small subset –  $O(\log N)$  – of peers within the system to make local decisions that ensure efficient routing of messages. **Java (Multi-Threading)**