

Sree Godavarthi

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SUMMARY

- 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 Domain.
- 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

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

PROFESSIONAL EXPERIENCE

Amtex Systems, New York, NY Application Developer	Mar 17 – Current
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Self-Service Guided Ad-Hoc

Developed a complex Self-Service Guided Ad-Hoc application. Designed and created dashboard for “WIC (Woman Infants and Children) – Food and Nutrition service program” 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.

- Coded **Guided Ad-Hoc** application that allows the users to generate reports dynamically. Application interacts with **RESTful webservice** using **AJAX, JSON** data to generate the required reports.
- Developed Page layouts, Navigations and presented designs, concepts to the client.
- 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.
- 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**.
- Worked closely with Graphic designers to implement mock-ups and the layouts of the application using **HTML5, CSS3, JavaScript and AngularJS**.
- Created Responsive HTML pages with lightweight Controls, Metadata Search and JS validations and integrated **WebFOCUS** framework work for Custom Reporting.
- Integrated the application into the dashboard created using **WebFOCUS AppStudio 8201** and Portal Designer.
- Worked on 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 will enable 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 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.
- 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
Graduate Teaching Assistant

Aug 14 – Dec 15

- Evaluated student performance, provided feedback and assigned grades for 65 students during semester.
- Responsibilities include conducting recitations for students to give hands-on experience with tools used in web development including SVN, GIT, SOAP UI, Chrome Developer Tools and webservices.
- Proven communicator and collaborator as demonstrated by working as a Graduate Teaching Assistant with diverse nationality students.

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 “Sam Houston State University” using WebFOCUS Portal Designer and AppStudio. (**HTML5, CSS3, jQuery**)
- Created metadata using InfoAssist+ to enable self-service reporting.

College Scorecard

- Designed application for the students to find the college that's best suited to them. Users can search by the college name or by the region and the degree. 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)**

Cloud based Source-aware key-value store (Chord protocol)

- The system integrates datasets collected by multiple organizations and provides a simple query interface for analytics over multiple datasets. (**Java**)
- Key-value storage uses distributed hash table to achieve a scalable architecture and use the Chord protocol as the underlying algorithm. This system is used to store and retrieve data over multiple storage nodes in a decentralized style.

Distributed Hash Table (DHT) Based Content Searching in a Distributed Application-Layer Network

- Built and configured a structured network using Chord peer to peer protocol comprising of 20-80 nodes to allow peers to share contents using efficient routing messages over TCP/ IP. (**Java**)
- Implemented an algorithm to search the contents using DHT.