Prashanth Nandamuri

https://prashanth-nandamuri.github.io/Portfolio/

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Objective:

Seeking a challenging opportunity in software development which would help me apply my technical skills, thereby advancing my career.

Professional Experience:

Turning Point Global Solutions, Rockville, MD   **September 2016 - Present**
Software Programmer

Description
Worked on National Plan and Provider Enumeration System (NPPES) redesign to convert the existing application into a Single Page Application which is completely responsive.

Worked on creating a prototype for EIDM (Enterprise Identity Management System) in Angular 2.

Worked on prototype for Provider Information Directory in Angular 8.

Worked on redesign for NPI Registry in Angular 12.

Received FedHealthIT Innovation Award Winner for 2018.

URL: https://nppes.cms.hhs.gov/#/

Responsibilities

- Created all HTML files required for the project in accordance with the prototype.
- Achieved the Single Page Application structure by using routing in Angular.js.
- Used Bootstrap and CSS to make the website completely responsive.
- Created multiple services which are used all over the application to reduce code duplication and support data encapsulation.
- Made AJAX requests to the backend to retrieve the data from database and send it back in JSON format.
- Worked on "ui-grids" extensively to support 508 users. (Added support for keypress events in headers)
- Created custom directives to display error messages all over the applications and also for grid events.
- Made use of factories to enable data sharing in multiple controllers.
- Used Angular.js "ui-mask" attribute to provide patterns for fields like phone numbers, dates, SSN, ITIN and others.
- Used Angular.js filters to display data in required format.
- Used "uibModal" service to display pop-up modals in angular way with bootstrap format.
- Worked with JAWS screen reader to test the application for 508 user compatibility.
- Tested the application for cross-browser compatibility.
- Worked on carousel design to automatically stop the movement when a video is being played.
- Worked on ZAP reports to test web security issues.
- Created templates, directives and components in Angular.
- Worked on RouterModule in Angular.
- Worked on pipes to format the data while displaying.

- Worked on Structural Directives in Angular.
- Re-designed the NPI Registry module from JSP to Angular.
- Used In-Memory Web API to imitate http calls when no backend connection is established.
- Used environment specific module.ts to import modules based on environments.
- Used font-awesome for icons throughout the website with Angular.

Technical Proficiencies:

Client-side Technologies:	HTML5, CSS3, JavaScript, AJAX, JSON.
Programming:	Java, Spring Boot.
Frameworks/ Libraries:	Bootstrap, jQuery, Angular.js, Angular, Less.
Databases:	MySQL, SQL server, SQLite3.
Architectures:	REST, MVC.
Version Control:	Git, GitHub, SVN.
Techniques/ Standards:	Software Engineering, Object Oriented Design.
Tools:	OWASP ZAP, JAWS, Jira, Confluence.
Web Concepts:	Responsive Web Design, Browser Compatibility, 508 compliance.

Projects:

- Developed portfolio using Angular, HTML, JS and CSS.
    - The website is completely responsive.
    - Uses "tag cloud" to display the skills as a floating sphere.
    - https://prashanth-nandamuri.github.io/Portfolio/
- Developed TIC TAC TOE game using Angular, HTML, and CSS.
    - https://prashanth-nandamuri.github.io/TicTacToe/
- Created a website for Beauty Parlor using Angular.js, Bootstrap, JavaScript, HTML5, CSS3, JSON.
    - This is a single page application which makes use of Route Providers in Angular.js.
    - The website is completely responsive.
    - The data that is loaded is in the form of JSON.
    - https://github.com/Prashanth-Nandamuri/parlour
- Created a forum based website for computer science department as under-graduation project – PHP, HTML5, MySQL, JavaScript, CSS.
    - The website has options for uploading and viewing the lectures (video/pdf files) presented for the courses.
    - Students and lecturers can discuss in a forum provided with the website.
    - https://github.com/Prashanth-Nandamuri/CLE
- Developed an *Authorization Message Classifier* application for Kaarma Tech. as a part of Advanced Software Engineering course work. – PHP, MySQL, Java, Weka tool.
    - This tool is used to automatically find the authorization message in a conversation.
    - This data is later used by Kaarma tech. to assess the average time taken to authorize each task.
- Developed a simple blog using Node.js and Express.js using HTML, CSS, JavaScript, JQuery, SQlite3.
    - https://github.com/Prashanth-Nandamuri/nodejs_blog.git
- Created a Single Page YouTube search application using API. – HTML5, CSS3, Bootstrap, JavaScript, JQuery
    - This website is a Single Page Application (SPA).
    - The search function makes use of YouTube API key.

- https://github.com/Prashanth-Nandamuri/YoutubeSearch
- Created prototype for an independent Property Management application using Angular, Bootstrap, JavaScript, HTML5, CSS3, JSON.

Academic Qualification:

California State University Long Beach, Long Beach, CA   May 2016
Master's in Computer Science, GPA: 3.6
Courses Completed

- Advanced Analysis of Algorithms
- Advanced Software Engineering
- Fault Tolerant Computing Systems
- Distributed Computing Systems
- Linear System Analysis

- Advanced Operating Systems
- Object Oriented Analysis and Design
- Database Architecture
- Memory Design and Implementation
- Mobile Applications

Jawaharlal Nehru Institute of Technological Sciences, Hyderabad, Telangana, India   May 2014
Bachelor of Technology in Computer Science & Engineering, GPA: 3.5