**Nagamani**

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**Professional Summary:**

* Over 6+ years of development experience with HTML, HTML5, XHTML, DOM, CSS, CSS3, JavaScript, and jQuery, Angular JS, Node JS, AJAX and JSON.
* Good experience in developing web pages using Angular JS 2,
* Good at transforming the wireframes and mockups to develop web pages.
* Good at optimizing user experience through code enhancements.
* Expertise in debugging and troubleshooting existing code using Firebug and Developer Tools.
* Experience in using the latest approaches including MVC in the browser, event-driven applications using AJAX, JavaScript, and JSON.
* Solely responsible for setting up of development environment for Node.js and MongoDB.
* Developing Rest API'S using Node JS and Mango DB.
* Created proof-of-concept using responsive web design, Node.js, Angular JS, HTML5 and CSS3
* Strong HTML5/CSS3 skills with solid knowledge of accessibility and cross browser issues.
* Good at resolving cross-browser issues and website usability issues.
* Knowledge in building Web User Interface (UI) utilizing HTML5, CSS3, JavaScript, Node.js, DOM, jQuery, Angular JS, and Ajax that are W3C Web Standards and are program good.
* Worked closely with the product, QA teams and support UI implementation efforts.
* Implement modules into Node JS to integrate with designs and requirements.
* Worked on modern browsers like Mozilla Firefox, Google Chrome, Safari and IE.
* Developed UI using jQuery and JavaScript Library for Web Application and Mobile Application and developed Rich Internet Applications and various UI widgets using jQuery.
* Created User Interfaces for Mobile/Tablet/Desktop using HTML5 & CSS3.
* Excellent skills in relationship management with clients during the project development life cycle and deliver the product within time line, cost and quality.
* Strong communication, planning and problem-solving skills, with ability to work independently or with cross-functional teams.
* Used popular Node.js frameworks like Express and Restify to create a Restful Mock API
* Experience in utilizing different apparatuses and IDEs for advancement and plan like NetBeans, Edit plus, Notepad++, Adobe Photoshop, and Dreamweaver, WebStorm, sublime text, visual code.
* Extensive hands-on development experience on charting library i.e. High charts, D3 Charts (d3JS), Google Charts, Any Chart and Fusion Charts.
* Developed backend web services using Node JS and stored dependencies using NPM.
* Added user validations and user permissions by using the Node.js.
* Used RESTful web services to get JSON response.
* Used Node JS for the communication to the server through Restful API and added user validations & permissions by using it.
* Debugged the website using Chrome Developer's tools and hardcoded the API into script for getting the information about merchants using Node JS.
* Web site initializing through HTML, DHTML and the dynamic applications using grunt, Node.js. Animations and styling through CSS/CSS3.
* Form validations with the JavaScript libraries such as Node JS and Angular JS.
* Successful integration of the front and backend with server side being the Node JS.

**Education:**

Electrical Engineering, JNTU, 5/2012

Masters in Computer Science, Oklahoma Christian University, 5/2015

**Technical Skills:**

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| --- | --- |
| **Modern Web Stack** | HTML5, CSS3, Angular JS, Bootstrap. |
| **Web Technologies:** | HTML, CSS, AJAX, JQUERY, Node JS. |
| **Testing** | Unit Testing |
| **Workflow & Delivery** | Responsive Web Design, Mobile Development, Single Page App |
| **Operating Systems** | LINUX, windows 7, windows 10. |
| **Object Relational Mapping** | Entity Frame Work |
| **Databases** | SQL Server, MySQL, Mango DB |
| **Web Services** | RESTful, SOAP |
| **Web Servers** | Node JS, Apache Tomcat |
| **Operating systems** | Windows 98,2000,XP, Windows7, Mac OS, Unix |
| **Management Tools** | Perforce, Collaborator, Rally, Team Foundation Server |
| **Development Tools** | Web Storm, Eclipse, Visual Studio, Sublime, Notepad++. |
| **IOT dashboards** | Thing Worx, Datonics, Vantiq |

**Project Experience:**

**ALTIMETRIK CORP, PRINCETON, NJ March 2016-Till date**

**IOT Engineer/Software Engineer**

Altimetrik is a business transformation and technology solutions partner to global enterprise customers covering three global mega trends of modernization - Digital, Connected Solutions & Consumer Technologies. It is part of the $100 million Vattikuti ventures, which promotes research, technology and solution building in the space of Digital Health, Robotic Surgical Equipment and Financial Inclusion towards betterment of health and financial status of rural and un-banked population in India and parts of Africa.

**Projects:**

**Altimetrik Transformation Labs**

**.Net Developer June 2017 - Till date**

Altimetrik Transformation Labs help enterprise's digital transformation journey from Vision through Execution. The labs provide an immersive and interactive physical and virtual environment to ideate, collaborate and experiment together with customers, partners and community.

* Built web application using HTML, CSS, Angular JS 2.
* Created Web API'S and fetching data from them.
* Solely responsible for setting up of development environment for Node.js and MongoDB.
* Developing Rest API'S using Node JS and Mango DB
* Using Microsoft AZURE for hosting the project. Developed core functionality with the .NET Framework using C#, ASP.NET, ADO.NET, JavaScript and SQLServer2012
* Using Jenkins for building, testing and deploying the project.
* Using CSS3 media queries and bootstrap to support for Responsive development.
* Developed a dynamic and secure front-end that consumes our API using Angular.js 2.
* Using Angular Plugins for audio and video playback.
* Using Angular UI bootstrap for creating the web pages.
* Using jQuery for animations and sliding for the images.
* Using Git Repo to merge, push, commit code.
* Involving in daily Agile methodology.
* Developing interfaces using AJAX.
* Building the application dynamically using JSON data.
* Implement modules into Node JS to integrate with designs and requirements.

**MBFS(**Mercedes Benz Financial Services**)**

**.Net Developer March 2017- June 2017**

MBFS (Mercedes Benz Financial Services) CLARA is a digital assistant helps out the people who goes to Mercedes Benz showroom whether to buy or lease a car. CLARA has all the stored information about the car models, rates, customers information. It asks the customer few questions and decides which option will opt better for them.

**Responsibilities:**

* Built web page for the avatar integration with user using HTML, CSS, jQuery and JavaScript.
* Used Node.JS for interaction of the application with the server.
* Used WEB API's to fetch the data from the server.
* Used API.ai and IBM Watson For creating events for NLP(Natural Language Processing).
* Used Aerospike database to store all the information. Developed core functionality with the .NET Framework using C#, ASP.NET, ADO.NET, JavaScript and SQLServer2012
* Used Node JS for creating web API's and using the same in the project.
* Involved in client calls and gathering requirements from them.
* Used UNITY game design engine to create avatars using Java script.
* Built avatar with the java script in loom.ai using unity.
* Gave expressions, customized avatar using loom.ai SDK with java script.
* Used java script for making avatar talk using audio plugins and also successful passing WEB API's using loom.ai.
* Developed backend web services using Node JS and stored dependencies using NPM.
* Added user validations and user permissions by using the Node.js.

**IOT EDGE**

**IOT Engineer/ UI Developer Sep 2016-March 2017**

IOT EDGE Platform is where the action of devices is. It includes wide range of sensors, actuators, and devices from where it interacts in real time communication of data from smart products and services. Edge computing mostly relays on getting the data from the device, and streaming it to IOT platform using protocols like MODBUS, CAN BUS and storing the required data in cloud.

**Responsibilities:**

* Built MODBUS, CAN BUS, SNMP protocols on C.
* Developed Web based dashboard using HTML, CSS, java Script and Nodejs.
* Built Rule Engine in C from protocol to dashboard level.
* Worked with Cross-Browser Compatible issues
* Designed connection between MODBUS protocols and Thingworx platform to stream the data on dashboard.
* Wrote user cases for MODBUS for passing the rules and linked it with alert mail engine.
* Successful writing rules in C and parsing them to XML for getting the output in JSON format.
* Built a complete rule engine for IOT Frame work on EDGE level using C.
* Designed generic edge rules to pass data from edge device to IOT platform and streaming data to cloud.
* Used .NET, C SDK's in Thingworx for streaming data and became familiar to build components for IOT platform.
* Designing all the function codes for MODBUS using C.
* Used RESTFUL API'S and SOAP services.
* Built Alert Engine and Rule engine in C for passing all the edge level rules.
* Hosted project using NodeJS on local host.

**Intuit**

**.Net Developer Aug 2016- Sep 2016**

Web-Page where user can fill all there information to signup and getting account to see monthly payroll.

**Responsibilities:**

* Worked with designers in gathering inputs related to wireframes and converting them into HTML pages using HTML5, CSS3, Angular JS 2
* Created web API’S using NODE JS.
* Designed the front end applications, user interactive (UI) web pages using web technologies like HTML5, XHTML, and CSS3.
* Developed core functionality with the .NET Framework using C#, ASP.NET, ADO.NET, JavaScript and SQLServer2012
* Interaction with the Design Architect to understand detailed view of the project.
* Interacting with back-end developers to integrate with RESTful web services.
* Successful integration of the front and backend with server side being the Node JS.

**Air Liquide May 2016- Aug 2016**

**UI Developer**

Mobile and web application, where we can test the gas levels and warn the employee about the harmful gases with the siren. It also Detects, where the gas leak occurred and level of threat using was mote.

**Responsibilities:**

* Created User Interfaces for Mobile/Tablet/Desktop using HTML5 & CSS3.
* Creating dashboard for testing the gas flow with HTML, CSS, Angular JS.
* Used Angular JS, Jquery, HTML, and CSS to built dashboard for use cases.
* Database integration using SQL database.
* Streaming data from thing Worx to dashboard using
* Involved in extensive code review.
* Performing Test Scenarios once the development is done.
* Tracking bugs using JIRA.
* Bug fixing and retesting the code until it reaches the quality standard.

**Environment:** Visual studio 2016, HTML/HTML5, AJAX, JSON, jQuery, SQL Server 2012 NodeJS. Bootstrap, JavaScript, MVC, CSS/CSS3, APIs, Restful Web Services, Test Driven Development, Agile, Microsoft AZURE, Thing Worx, Datonics, Vantiq, AWS, IBM Watson, Unity game engine, API.AI, Jenkins.

**ITRON, INC, Raleigh, NC Sep 2015- March 2016**

**UI Developer**

Itron is an electrical company, which creates their own reading meters which are used and exported to other countries. IHES is the project in which UI Screens were developed to test the meters through architectural defined structure and frameworks whose output shows the entire information related to those meters.

**Responsibilities:**

* Built Web pages that are more user-interactive using AJAX, JavaScript, and AngularJS
* Worked closely with client, architect and UX designers to gather requirements for configurable widgets
* Worked with designers in gathering inputs related to wireframes and converting them into HTML pages using HTML5, CSS3, Angular JS
* Involved in making the application Responsive using Bootstrap, and used LESS pre-processor
* Wrote application level code to perform client side validation using jQuery and JavaScript
* Designed the front end applications, user interactive (UI) web pages using web technologies like HTML5, XHTML, and CSS3
* Using AngularJS and Angular UI-Bootstrap extensively for developing the UI using MVC
* Designed and developed intranet web applications using JavaScript and CSS
* Involved in writing application level code to interact with APIs, RESTful Web Services using AJAX, JSON.
* Created Web API's using Node JS.
* Involved in Agile Environment and participated in Scrum and Agile.
* Used Node JS for the communication to the server through Restful API and added user validations & permissions by using it

**Environment:** HTML/HTML5, AJAX, JSON, jQuery, Karma, Mocha, Chai, NodeJS. Bootstrap, JavaScript, CSS/CSS3, APIs, Restful Web Services

**Oklahoma Christian University Sep 2013–May 2015**

**UI Developer**

**Project:** Spot buys are challenging and costly. We’re talking about those unexpected, one-time, and often rush orders that usually involve categories that buyers don’t tightly manage. Neither buyers nor sellers have sufficient time, relationships, or processes in place to manage or respond to them efficiently and effectively—even though they can add up to a sizable chunk of a company’s indirect spend.

**Responsibilities:**

* Involved in development, design and implementation front end part of the widget based application using HTML5, CSS3, jQuery, JavaScript, AJAX, JSON, AngularJs, and NodeJs Bootstrap.
* Used HTML/HTML5 for markup.
* Used CSS3 media queries and bootstrap to support for Responsive development.
* Used jQuery plugins autocomplete, validation, drag and drop and more exceptionally.
* Developed a dynamic and secure front-end that consumes our API using Angular.js.
* Involved in implementation of MVC pattern using Angular JS, Node JS
* Used HTML5 for audio and video playback.
* Used AJAX, JSON with jQuery for request data and response processing.
* Used JIRA for bug tracking.
* Involved in daily scrum to discuss the design and work progress.

**Environment:** HTML/HTML5, CSS3, JavaScript, jQuery, AngularJS, Node JS, AJAX, JSON, JIRA, Mobile UI Development, MySQL and Oracle.

**BDL (Bharath Dynamics Limited) May 2012– June 2013**

**Software Engineer (Web Developer)**

**Project:** Registry Management System is be used to automate the process of all activities related to the incorporation and regulation of the companies, through appointed Agents all over the world.

**Responsibilities:**

* Developed Web Interface using JSP, Java Script, HTML, JSFs, DOJO and CSS.
* Implemented the MVC architecture using the Struts framework.
* Developed different GUI screens using JSP and user validations using JavaScript.
* Effectively implemented AJAX in developing dynamic web pages
* Implemented Web services (SOAP) for transmission of large blocks of JSON data over HTTP.
* Performed Unit testing and Integration testing to increase the performance of the application
* Responsible for Security implementation and integration testing of the system.
* Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON.
* Worked with Cross-Browser Compatible issues
* Extensively used AJAX and JSP for UI and server side programming. Developed the user interface for back office support and worked collaboratively in Agile scrum team on the design and development of application based MVC framework using Angular.js, HTML 5.0, Knockout.js, and CSS
* Involved in testing like Unit test, Integration test, Acceptance test and Regression testing using NUnit and responsible for writing test scripts and scenarios.
* Created Rest full API’s using MVC4 Web API’s.
* Used Bootstrap CSS for front end design

**Environment:** HTML 4/5, CSS, JavaScript, jQuery, AJAX, JSON,