Rajesh A
Web Developer

Dallas, TX - Email me on Indeed: indeed.com/r/Rajesh-A/20db5d17c444f981

• More than 3 years of related experience as a Full Stack Web Developer.
• Proficient in AngularJS, ReactJS, jQuery, KnockoutJS, JSON, Twitter Bootstrap, Modernizer, HTML, Ajax, CSS3, SASS, Mocha Test Framework.
• Expertise in developing REST Service Application with high performance and reusable code using suitable front-end technologies.
• In-depth understanding of responsive design, cross browser compatibility, user accessibility and SEO.
• Hands on experience in using J2EE, JSP, Servlets, JSTL, MySQL and JDBC for developing web applications.
• Have working experience on JavaScript technologies including Node, React, and Backbone.
• Experience in writing unit tests using Mocha framework, Chai, Expect, and Enzyme.
• Good knowledge in using PHP, MySQL, Angular, and Laravel framework.
• Knowledge on developing mobile, iOS and Android, applications using React Native.
• Excellent communication, analytical and interpersonal skills and highly motivated team player with ability to work independently.
• Worked on projects related to networking, image processing, signal processing, and data mining.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Web Developer
University of Nebraska-Lincoln - Lincoln, NE - October 2016 to June 2017

• Developed UI interactions, animations and custom APIs using Object Oriented JavaScript, jQuery and ReactJS.
• Refactored the codebase for the official website for TRIO programs to reduce the size by 37%.
• Used ReactJS to create web forms and to develop a customized video player.
• Implemented lazy loading and asynchronous data fetching to make the site more responsive.
• Utilized Google Maps API to integrate maps into the website and get details about places.
• Processed large data sets in JSON and visualized using D3.js library.
• Composed regular expressions to perform user input validations and find patters from data sets.
• Enhanced the web applications - SVG elements to make them responsive and cross browser compatible.
• Built reusable code and libraries for future use.
• Wrote unit test cases and implemented automated testing platforms.
• Designed and programed back-end structure and logic for dynamic database driven applications using Java.
• Handled user authentication and authorization between multiple systems, servers, and environments.
• Designed and created DB tables depending upon the requirements and wrote SQL queries to handle data requests.
Environment: Node.js, Java, JSP, HTML, CSS, SASS, jQuery, React, Bootstrap, MySQL, Photoshop, Illustrator, Sketch, Dreamweaver, Excel, Python, Google API, Mocha, Gulp, Git, Windows, and Linux.

Web Developer/ Programmer
Office of TRIO Programs, UNL - August 2014 to August 2016

• Developed trio.unl.edu website for TRIO programs, University of Nebraska-Lincoln.

• Converted the content management system website to a JSP website using UNL web framework.

• Created wireframes and designed the front end for the website using Photoshop, Illustrator and LESS.
• Developed plugins in vanilla JavaScript to load custom events from UNL events REST API.

• Used ReactJS to create reusable components across the website.
• Extensively used JavaScript and ReactJS to design several UI elements.
• Integrated Google Analytics to accurately understand the user patterns.
• Developed dashboards to create and update the future events organized at the university.
• Achieved 100% user accessibility in web audit and tested the website using Pa11y.

• Worked on Drupal CMS to generate web pages and manage the existing website.
Environment: Node.js, Java, JSP, Drupal, HTML, CSS, LESS, JavaScript, jQuery, ReactJS, Photoshop, Dreamweaver, Atom, Notepad++, Grunt, Virtual Machine, Windows, and Linux.

Programmer
College of Agricultural Sciences - May 2014 to July 2014

• Worked using Excel and SAS to interpret the crop data and analyze the results.

• Wrote macros in VB.net to transform the crop data to more meaningful representation.
• Generated reports and graphs for the agricultural fields data.
• Used ArcGIS software to map the agricultural fields across Nebraska.
Environment: HTML, CSS, JavaScript, Excel, VB.net, SAS, and ArcGIS.
PROJECTS
Fitness App
• Developed an iOS application using React Native, which can track user exercise sessions and display detailed results on the user's progress. Used Redux for state management and wrote unit test cases using Jest framework.
• Environment: Node.js, React, React Native, Express, Redux, Babel, GraphQL, Relay, Firebase, and Jest
Flight Reservation System
• Created a scalable flight reservation system application using Java and Spring MVC for customers and clients, with features like shopping cart, payment gateway, session tracking and security mechanisms.
• Tools: Java, Spring, JSP, Servlets, HTML, CSS, JavaScript, PostgreSQL, Hibernate

Real time polling application
• Created a web application where the host can interact with the audience and broadcast questions in real time.
• Generated visualizations dynamically depending on the results generated from audience answers.
• Tools: Node.js, Express, React, Socket.io, React-D3, Babel, Bootstrap, Gulp

Online course management website
• Developed a web site where the users can manage their online courses and save them in their accounts. Approached using test driven development and designed the back-end database for the website.
• Tools: Node.js, Express, React, Redux, MongoDB, Mocha, Babel, Webpack

Statistical Analysis of Flight Delays
• Analyzed airlines dataset to find the flight delay trends over a period of 10 years.
• Used Amazon EC2 instances to host the data and utilized Hadoop and Hive to process and query the data.
• Visualized the results using HTML, JavaScript, CSS, D3.js and Chart.js.

Phenotyping using Computer Vision (Masters project)
• Developed a computer vision application for analyzing plant images to find their shape, textural and hyper spectral properties. Implemented image segmentation and pattern recognition techniques to find properties of plants and analyzed their growth trend under different environmental conditions. Used Matlab and Python.

EDUCATION

Master of Science in Computer Science
University of Nebraska   -   Lincoln, NE
January 2014 to August 2016

Bachelor of Engineering in Computer Science
Osmania University
August 2009 to May 2013

SKILLS

CSS (2 years), HTML (2 years), JAVA (2 years), JAVASCRIPT (2 years), JSP (2 years)

LINKS

https://github.com/RajeshAdl

ADDITIONAL INFORMATION

TECHNICAL SKILLS
• Languages: Java, PHP, JavaScript, Python
• Web Technologies: HTML, CSS, PHP, JSP, SASS, JSON, XML, Node
• Frameworks: Angular, React Native, Express, Bootstrap
• Libraries: React, Redux, Backbone, jQuery, D3.js, Lodash, Socket.io
• Databases: MySQL, PostgreSQL, MongoDB, Firebase
• Tools: Webpack, Gulp, Atom, Git, Dreamweaver, Photoshop, Eclipse, Sketch, Matlab
• Other Skills: Agile Methodology, Object Oriented Programming, Design Patterns