

RAVI VALLURI

FULL STACK DEVELOPER

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About Me

I am a full-stack developer based in Chicago, IL with over 7 years of experience in Full Software Development Life Cycle (SDLC) including defining requirements, design, implementation, testing, production support, and enhancing existing systems by developing dynamic web applications. I have development experience adhering to SDLC processes such as Waterfall, Agile, and Test-Driven Development. My specialties include full-stack JavaScript, responsive web design, mobile optimization, and scalable performant CSS. I am well-versed in Python and Node.js for back-end but can easily switch to front-end development and test automation.

Experience

Full Stack Developer

BCBS (Blue Cross Blue Shield) / 2019 to Present

- Developed an internal claims application from scratch using Angular/Bootstrap and Node.js
- Involved in redesigning and refactoring websites to mobile responsive and to include angular research tools
- Worked in a team using an agile workflow with continuous integration tools and practices
- Assisted in designing and developing databases for supporting back-end designs
- Worked in a team that constructed design as a service and developed a design system from scratch consisting of front-end and back-end development.
- Mentored teammates in React and Angular with frequent training sessions
- Implemented UI logic using Angular to extend traditional HTML to display dynamic content
- Developed framework for assessing various controls on qualitative and quantitative dimensional data with complex calculations and rolled up aggregations on various hierarchy levels
- Developed APIs to connect data with front-end

Full Stack Developer

Motorola Solutions / 2018 to 2019

- Responsible for delegating tasks to development teams and reviewing code for C360 application
- Coordinating with AWS team to scale applications in cloud with Multi-core and Multi-AZ architecture
- Automating deployment in multiple EC2 instances to connect with ELB servers using Jenkins pipelines
- Creating chronicle jobs that enables data sync between applications and uses Python scripts
- Writing test cases for APIs for release sprints. Creating custom CSS for MSI shop application
- Developing admin panels, user registrations, email confirmations, and shop UIs using Angular
- Building multiple APIs that retrieves data from the UI, syncs data across applications, and displays cache for multiple environments. Charting an API response time tracking application
- Transitioning login sessions from SAML to OKTA. Utilizing MuleSoft APIs to perform token validations
- Constructing admin, referrer/ invite, and order purchase flow UIs for Adobe Experience Manager
- Improving and updating the C360 DB for better performance

Full Stack Developer

Beam Suntory / 2017 – 2018

- Working on Angular on frontend and writing directives (components) of any level of complexity including interactive maps (Angular+D3.js), nested trees, SVG elements and other fancy things.
- Refactor structure of React components and Redux containers, to resolve a production issue significantly.
- Responsible for React UI and architecture. Built components library, including Tree, Sideview, Table Grid etc.
- Created a Node.js based system to take in an assortment of user data (purchases, page views, etc.) and generate expected interest in future products and the categories.
- Responsible for managing AWS resources in the cloud and maintain Continuous Integration and Continuous Deployment pipeline for fast-paced robust application development environment.
- Refactored front-end through Vue.js, Webpack and ES6 to keep the code modular and loosely coupled.
- Built out full-featured mobile survey and mobile product locator applications in React Native.
- Developed Wrapper in Python for instantiating multi-threaded application.
- Developed frontend and backend modules using Python on Django including Tastypie Web Framework.
- Creating restful web services for Catalog and Pricing with Django MVT, Jersey, and MongoDB.

Full Stack Developer

W.W. Grainger / 2016 - 2017

- Using BackboneJS and handlebars to connect the API's which enforces the communication to the server.
- Created a Node.js API server using Express, that powers all of the cart's back-end infrastructure.
- Planned, constructed and iterated upon a contacts management single-page application and custom REST API using AngularJS, MongoDB, and Node.js.
- Testing reducers only focus on state flow. Using React Storybook libs for UI components testing.
- Set up Node.js beanstalk environments in AWS via Docker containers.
- Created a new form builder module using React for front end and back end UI components.
- Refactored JavaScript dependencies to reduce file size and speed by 50%.
- Write and refactor existing Python codebase for the Pipeline Team.
- Created portal sites based on Python and Django for integrating user registration with central LDAP back-end and integrating site functionality across separate Django, Trac and Drupal websites.

Full Stack Developer

AIG / 2015

- Wrote a module for processing and uploading of images using client-side JavaScript that significantly reduced server load and improved user performance, leading to a 96% reduction in media storage needs.
- Assisted in developing a mobile-first strategy for new business applications using AngularJS for robust concurrency handling.
- I built out our first product using React.js, which allowed us to render pages on both the client and server using the same codebase.
- Created a build script using Gulp.js and Node.js for internal use. Maintained and developed the online wholesale insurance trading platform, written in JavaScript with MySQL for data storage.
- Performed audits on front-end pull requests and add bug fixes to features on a large-scale, multi-repository billing interface project using AngularJS.
- Built custom themes, plugins, and contact Form development using JavaScript, jQuery and HTML5, Angular, MongoDB, Backbone.
- Developed complex service components for Data Access Layer, DAO classes to interact with backend using Java.

Full Stack Developer

BMS (Bristol- Myers Squibb) / 2014

- I've created wireframes, delivered dynamic and responsive views with AngularJS, and connected views to the database.
- Responsible for manipulating components in JQuery as well as making the pages' dynamic using AJAX, JSON, and XML.

- Involved in the creation of an interface to manage user menu and Bulk update of Attributes using Backbone.js, Require.js and jQuery.
- Implemented highly interactive SVG-based visualizations using JavaScript (ES with Babel.js).
- Build and deploy the web application using ant scripts in UNIX environment. Developed several REST web services supporting both XML and JSON to perform tasks such as demand-response management.
- Worked on Issue Tracker which as part of dashboard system by creating Servlet, Java classes.

Developer Intern

Wells Fargo / 2012 - 2013

- Implemented XML to stream data across different Interfaces for Reconciliation and Reversal process of the transaction files with the Bank.
- The CRM system was built with object-oriented JavaScript, MySQL database, (x)HTML, CSS, jQuery and jQuery UI. Generated Java classes from WSDL file using Top Down approach.
- Created and implemented a custom CSS grid system, with CSS media queries for mobile responsiveness.
- Builds codes for Shadowboxes, Slider Carousals, Tickers, Rotating Headers, Validation and JS animations.
- Developed Date Time Picker using Object Oriented JavaScript with Prototype.js library.
- Used AngularJS AJAX for implementing part of the functionality for Customer Registration, View Customer information and view transaction history modules.

Education and other technical proficiencies

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- Master of Science (MS) in Computer Science (2014)/University of North Texas, Denton, TX
 - Bachelor of Technology (B. Tech) in Computer Science (2010)/Jawaharlal Nehru Technological University, India
 - Other Technical Skills: Adobe Photoshop, Illustrator, Dreamweaver, WordPress, Microsoft Office (Word, PowerPoint, Excel, Outlook, Access), Microsoft Visio