**MAHIPAL REDDY**

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**Professional Summary**

I’m a passionate software engineer that loves to solve interesting challenges across the full stack. I'm currently working as a Software Developer building responsive web applications for Tesla. Our mission is to accelerate the world’s transition to sustainable energy.

* Over 7 years of professional experience in Software Development Life Cycle (SDLC) phases of design, development, implementation, deployment, testing and maintenance as per quality standards using **Agile and Waterfall methodologies** in different industries.
* Proficient understanding of JavaScript and its frameworks like **ReactJS, Node.js, Express.js, Angular2, Lightning Web Components, Angular JS, jQuery**.
* Experience in **Mobile First** developing methodologies using **CSS3, SCSS, SASS, Bootstrap3, 4, Foundation 6.**
* Created efficient react functional components using **react** **hooks** and **custom hooks.**
* Extensively working with **Context** **API**, **Redux** and **Flux architecture** to manage data of complex applications**.**
* Good skills in creating **RESTful Web Services** using **Node.js**, **Express.js** framework following **microservies** and **monolithic** architectures.
* Well versed coding using **JSX**, **ECMAScript 6, 7, 8** and **TypeScript**.
* Have experience working with **Java, Go** and other **Object-Oriented Programming** languages.
* Good knowledge in writing queries using **GraphQL.**
* Experience in writing SQL queries for database like **MySQL, PostgreSQL, Oracle** DB. Also worked on NoSQL database like **MongoDB, and** cloud-based databases like **Azure**, **AWS** and **Firebase**.
* Worked with **Webpack module** bundler, node package manager, yarn for managing packages.
* Proficient in unit testing frameworks such as **Jest, Jasmine, Karma, Mocha, Junit** in **TDD** environment.
* Worked in DevOps environment and its **CI/CD procedures**.
* Experience in code optimization and setting code standards there by increasing performance in building robust applications.
* Hands-on experience using the version control tools like **Git**, **SVN** and **TFS, VSTS**.
* Experienced working in **Agile**, **Waterfall**, **Kanban** and **Scrum** based development environments.
* Keen awareness of new industry developments and the evolution of programming solutions.

**Technical Skills**

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| Web Technologies | HTML/HTML5, CSS2/CSS3, DHTML, XML, XHTML, XSLT, JavaScript, Ajax, jQuery, JSON, Apache, PHP, DOM |
| Programming Languages | JavaScript, JSX, TypeScript (ES6, ES7), jQuery, Java, .Net, SQL, C# |
| JavaScript Frameworks | ReactJS, Angular 2, Angular JS, Node.js, Express.js, Moment.js, jQuery UI |
| Database | MongoDB, Postgres, Oracle 11g/12C, MySQL Server, DB2, Amazon RDS |
| Version Control | Git, SVN |
| Operating Systems | Windows XP/Vista/7/8/10, Ubuntu, Linux, Mac OS X |
| Debugging Tools | Firebug, Bugzilla, Chrome Developer Tools, Redux Developer Tools |
| IDE, Editors | Visual Studio Code, WebStorm, Notepad++, Net Beans IDE, Brackets, Adobe Dreamweaver, Photoshop |
| Development Methodology | Agile, Waterfall |
| Browsers | Chrome, IE, Safari, Firefox, Edge, Opera |

# Professional Experience

**Tesla**

**Software Developer** - March 2021 to Present

**Projects** – Energy Field Reporting Service, Bolt Forms Automation Tool, Forms API, Grid, Tesla Design System

* Working with full stack using **ReactJS**, **Node.js**, **Express.js**, **Go** to develop enterprise applications to help the energy team to efficiently manage and perform their duties
* Built web applications according to the requirement from Elon and two levels under him to track the progress of the solar installations
* Writing high quality, semantic, testable, maintainable, and well-documented code
* Working with in-house Tesla Design System components to create react applications
* Using internal react context form to work with complex forms on UI
* Extensively working with CSS features like **flexbox**, **grid**, **animations etc.,**
* Creating **REST** API’s using **Express.js**, **Node.js** to connect to **MySQL**, **MicrosoftSQL** and **PostgreSQL** databases
* Working with **GraphQL** and **REST API** to communicate and consume data from other internal teams
* Fixing existing functional defects in Bolt Forms Automation Tool and other tech related defects and improvements for increasing app efficiency
* Using **JIRA** for bug tracking
* Implementing unit tests (**TDD**) in JavaScript using **Jest**
* Using **ESLint** for ensuring quality code

**Environment**:  HTML5, CSS3, SCSS, JavaScript, ReactJS, Redux, React Context, React-Router**,** Axios, Node.js, Express.js, Moment.js, WCAG 2.0, Jest, Webpack, MySQL, GraphQL, Go, ESLint**,** Jenkins, Git, BitBucket, JIRA

**AR International Enterprises**

**Client - Florida Blue**

**Software Developer** - August 2018 to March 2021

**Projects** – My Health Link, Truli Health, Chatbot, Payment Center, Message Center, Digital Enrollment

* Lead UI Team to develop accessible rich internet applications used by many, of over 16 million customers of the $19 billion dollar enterprise where our mission was to build the tools necessary to delight customers with disabilities.
* Developed enterprise level web applications for the Florida Blue and its tenants using **HTML**, **CSS**, **JavaScript, ReactJS, Redux, Immuatble.js, SCSS, Foundation** which supported by **Node.js, Java** in backend
* Mentored other developers
* Worked closely with Business, UX, Application Architects, Project Managers to convert complex business logic to interactive web applications
* Designed and established front-end development standards and coding patterns for reuse
* Involved in setting up the application architecture and business component structure for reusing features in multiple projects
* Worked on custom modules and widgets using ReactJS/CSS/HTML and made those cross-browsers consistent and **WCAG** compatible
* Created single page web applications which supports multiple tenants with different themes
* Integrated with Stripe.js to build payment center
* Used **i18next** framework to achieve internationalization
* Createdcustom **Higher Order Components** like Auth component to authenticate the user
* Worked with **Immutable.js** data structures like **List, Map, OrderedMap, Set, OrderedSet**
* Used **Redux Architecture** for the management of data flow between the components, state and store
* Used **Redux-Thunk** as a middleware for handling asynchronous calls
* Worked with **Axios** for **Ajax** calls and **Lodash** library for utility functions
* Created POC’s on latest react features like hooks, Portals, Context API
* Consumed **API’s** andworked with **JSON Web Tokens (JWT), sessions** and **cookies**
* Performed client-side validations using **validate.js** andcustom validator methods
* Worked on building NPM packages and release management process
* Experienced in working with **Babel**, **Gulp**, **npm**, **NPM** **scripts**, and **Webpack** in application build
* Worked on CI/CD tools like Jenkins and Docker containers to deploy applications to environments
* Worked with **Git** as version control system, **GitLab** as a Git-repository manager
* Followed Kanban method and its tools for managing and tracking the development of the products, Bi-Weekly Sprints, and daily Scrums

**Environment**:  HTML5, CSS3, SCSS, JavaScript, ReactJS, Redux, React-Router**,** Axios, Node.js, Immutable.js, Express.js, Stripe.js, Moment.js, Foundation, Chart.js, WCAG 2.0, Bloomreach, ES6, JSX, Jest, Webpack, ESLint**,** Jenkins, JFrog, Git, GitLab, Rally

**AR International Enterprises**

**Client – Nova Southeastern University**

**Software Developer -** April 2018 to July 2018

**Projects** - Event Calendar, FRD, Spaces

* Developed SPA’s using **HTML5, JavaScript, ReactJS, Redux, SCSS, Bootstrap 4**, **Node.js**
* Redesigned and developed the web-applications from login page to contact page using ReactJS
* Worked on the migration of application from **Perl to ReactJS** and **Angular JS to ReactJS**
* Implemented **Redux-Form** to manage form state in Redux
* Worked with **Essential JS 2** to import default Grids, Tables, Charts, Toolbars, Panels
* Worked with the **Moment.js** to import the date, time objects
* Extensively worked with Reactstrap **Flex** and **Font Awesome Icons**
* Used different Toastr methods from **react-redux-toastr** to display the notifications for the user
* Worked with **D3** and **Tableau** for data visualization and react-fusioncharts, Chart.js, ReCharts for charts
* Built backend REST API with **Node.js**, **Express.js**
* Performed client-side validation using javascript and **react-validator**
* Apart from **chrome debugger tool**, used other developer tools like **React Developer Tools** and **Redux Dev Tools** for debugging and developing
* Using **Jest**, dealt with asynchronous tests and with the new features like mocking, spies and stubs built-in
* Worked with **Git bash**, **Sourcetree** and **VSTS** for code development and also for collaborating with QA
* Involved in the AGILE process, Bi-Weekly Sprints, and daily Scrums to discuss the development of the application to deliver in time

**Environment:** HTML5, CSS3, Bootstrap4, SCSS, JavaScript, ReactJS, Redux, Axios, Node.js, .Net, EssentialJS 2, Moment.js, JSON, XML, ES6, Jest, Webpack, Jenkins, JIRA, Git, VSTS

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**Vibha Inc**

**UI Developer -** August 2017 to March 2018

**Projects** – EMT, SEM Microsites

* Designed and implemented modules for disbursements, history of accounts, premium value.
* Involved in designing web pages for the internal website for work list, branch administration and customer service
* Used the react component **life cycle methods** efficiently
* Proficient understanding of DOM, Virtual DOM
* Implemented **React Router** for building the single page application
* Involved in processing **JSON** data from **RESTful** web service by using Axios to get resources from the database and populated data on the UI and used **Redux-Saga** as middleware
* Used **Sitecore CMS** for the data management
* Developed dynamic data visualizations by using **D3.js**
* Implemented **react-fusioncharts, react-sparklines** to display various charts on the view
* Used Bootstrap and **Media queries** to create a responsive website that fit all users and devices

**Environment:** HTML5, CSS3, Bootstrap3, SASS, JavaScript, ReactJS, Redux, Angular2, Axios, Node.js (5.11.0), JSON, XML, ES6, Jest, Webpack, Postman, Jenkins, Microsoft Azure, JIRA, Git, Agile, Scrum

**Federal Soft Inc**

**UI Developer** -Jan 2017 to May 2017

**Projects** – Altare, Migration

**Description:** Worked for Medtronic**.** Medtronic has six main business units which develop, manufacture devices and therapies to treat more than 30 chronic disease. Our project was to develop the webpage which show the heart ratings and other medical information from medical devices.

**Experience:** Developed web applications that collects the medical information and displays visually that save lives, improve the quality of living for millions of patients across the world. Worked with various software technologies in web application, instrument application software, mobile software, BT/BLE communication software, and embedded software for management and control of implantable medical devices.

**Environment:** HTML5, JavaScript, CSS3, SASS, AngularJS, ReactJS, Redux, Node.js, PostgreSQL, Karma, Jasmine, Bootstrap, Grunt, Play Framework, Git, Rally

**FactSet Systems - Hyderabad, India**

**Software Engineer I** - June 2015 to November 2015

**Projects** – Multiple Projects

**Description:** It is a financial data and software company headquartered in Norwalk, CT, United States. It provides financial information and analytic software for investment professionals. Our project was to design, deploy, and enhance the modules related to COMA.

**Experience:** Worked with a team of 8 developers on the financial data research tool used by internal research analysts globally for the proprietary content. Shared the responsibility of the team in every step of the software development and the responsibility of delivering releases on time with the highest quality.

**Environment:** HTML5, JavaScript, CSS, LESS, Bootstrap, AngularJS, Java, Spring, SQL, Oracle, PostgreSQL, MySQL, Jasmine, Ajax, jQuery, JSON, RPD, Illustrator, Adobe Photoshop, Dreamweaver, Eclipse

**CTRL+R Technologies - Hyderabad, India**

**Jr. Software Developer -** June 2013 to May 2015

**Projects** – Multiple Projects

**Description:** It is an IT outsourcing company with expertise on web applications, mobility, enterprise applications, data modeling, business logic, UI/UE, augmented reality, B2B/B2C solutions. It has come a long way from being a start-up to becoming an export-oriented Software Development Center.

**Experience:** Created full stack web applications. Worked within small teams on quick deadlines to develop professional web applications following the web standards. Continuously learned through additional training and code review sessions. Improved quality and productivity of output.

**Environment:** HTML, CSS, JavaScript, jQuery, AngularJS, Java, Node.js, MySQL, Tomcat, DOM, XML, DHTML, XHTML, Gulp, Jasmine, Jira, Git, Firebug, Chrome developing tool, Adobe Photoshop, Visio

# Education - Master of Science [Information Technology] | 3.7 GPA | Valparaiso University, USA

# Portfolio - [https://findthemahi.web.app](https://findthemahi.web.app/)