**MAHIPAL REDDY**

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# Professional Summary

I’m a highly skilled, results-driven and passionate software engineer that loves to solve complex challenges across the full stack with over 9 years of experience, demonstrating a proven track record in leading innovative solutions across the phases of software development lifecycle. Recognized for optimizing application performance, implementing scalable features, and fostering collaborative leadership. Currently serving as a Senior Software Developer at Sibros Technologies building web applications handling large fleet data that is deployed onto various customer vehicles. Sibros is as startup started in the year 2018, founded by group of core engineers from Tesla. Sibros mission is to eradicate all software related automotive recalls with safe, secure, and reliable OTA updates. Before I was pulled into Sibros, I contributed to Tesla’s success by facilitating teams to efficiently process, track and deliver orders.

* Employed across diverse domains such as the Automotive, Technology, Healthcare, E-Commerce, Financial, and Academic.
* Worked on JavaScript and its frameworks, including **ReactJS, Node.js, Express.js, Angular, Lightning Web Components, jQuery**.
* Applied **Mobile First** development methodologies using **CSS3, SCSS, SASS, LESS, Bootstrap3, 4, Foundation 6, Material UI, Ant.**
* **Led** high-performing development teams, conducted **code-reviews** and **mentored** junior developers.
* Implemented robust React functional components with **react** **hooks** and **custom hooks.**
* Extensively worked with **Context** **API**, **Redux** and **Flux architecture** to manage data in complex applications**.**
* Created **RESTful Web Services** using **Node.js**, **Express.js, GoLang** in both **microservice** and **monolithic** architectures.
* Demonstrated strong coding skills using **JavaScript**, **JSX**, **TSX**, **ECMAScript 6, 7, 8** and **TypeScript**.
* Wrote **GraphQL** queriestocraft requests for specific data.
* Gained experience working with **Java, Go** and other **Object-Oriented Programming** languages.
* Proficiently wrote SQL queries for database like **MySQL, PostgreSQL, Oracle** DB and worked on NoSQL database like **MongoDB.**
* Worked withcloud-based databases like **AWS, GCP**, **Azure** and **Firebase**.
* Utilized **Webpack** module bundler, **Node Package Manager**, **Yarn** for managing packages.
* Wrote unit tests using frameworks like **Jest, Jasmine, Karma, Mocha, Junit** in **TDD** environment.
* Implemented frontend test automation for web applications using **Cypress** and **Playwright.**
* Worked in **DevOps** environments and their Continuous Integration/Continuous Deployment (**CI/CD**) procedures.
* Contributed to code optimization and setting code standards to enhance performance and build robust applications.
* Worked with various application lifecycle management tools and source control like **Jira**, **TFS, VSTS, GitLab, GitHub, BitBucket**.
* Gained experienced working in **Agile**, **Waterfall**, **Kanban** and **Scrum** based development environments.
* Recognized for full stack expertise, innovative problem-solving, collaborative leadership, technical proficiency in web technologies, and adaptability to diverse development methodologies, ensuring project success.
* Maintained a keen awareness of new industry developments and the evolution of programming solutions. Translated insights into Proof of Concepts (POCs), conducted demos and facilitated team adoption of innovative approaches into existing infrastructures.

# Technical Skills

* **Frontend Technologies:** HTML5, CSS3, ReactJS, Angular, SCSS, SASS, Lightning Web Components
* **Backend Technologies:** Node.js, Express.js, GoLang, Java, Spring, Apex
* **API Development:** RESTful Web Services, GraphQL
* **Database Management:** MySQL, PostgreSQL, Oracle 11g/12C, MongoDB
* **Cloud-Based Databases:** AWS, GCP, Firebase, Amazon RDS, Azure
* **Development Tools:** npm, yarn, Webpack, Git, SVN, Gulp, Docker
* **CI/CD Tools:** Jenkins, GitLab CI
* **Testing Frameworks:** Jest, Jasmine, Karma, Mocha, Playwright, Cypress
* **IDEs:** Visual Studio Code, WebStorm, NetBeans IDE
* **Project Management & Collaboration:** Scrum, Kanban, Jira, GitLab, BitBucket, Slack, Teams, Confluence
* **Operating Systems:** Windows (XP/Vista/7/8/10), Ubuntu, Mac OS X
* **Debugging & Optimization:** Chrome Developer Tools, Redux Dev Tools, React Profiler, Firebug

# Professional Experience

**Sibros Technologies**

**Senior Software Developer** – October 2021 to Present

**Projects**: Web Portal, Deep Logger, Deep Updater, Deep Commander, Support System

* Working with full stack in fast-paced environment using **ReactJS, TypeScript, Ant Design components, alongside GoLang, AWS, GCP**, to create applications supporting Sibros’ core products like deep-logger, deep-updater and deep-commander.
* Working closely with End Customers, Business, UX, Application Architects, Project Managers to convert complex business logic to interactive web application.
* Led and developed **Support System** project to empower customers in understanding the new product features and use them effectively.
* Led UI efforts for **GitLab to Jira** for ticket tracking on Sibros Web Portal, improving collaboration and traceability by 25%.
* Developing UI code to serve **multi-tenant applications** to serve diverse customers across various regions.
* Writing **high quality, semantic**, testable, maintainable, and well-documented code.
* Integrated **Launch Darkly** for agile feature flagging to manage features visibility across ~21 tenants and enhanced scalability for future developments.
* Developing **complex UI** components to show customers fleet data and fleet analytics using various visualizations.
* Enhanced deployment and rollout pages from basic forms to complex, customizable pages, enhancing the customer’s fleet rollout experience.
* Utilized D3.js and Tableau for data visualization, enhancing the user experience in viewing and interacting with events-related data.
* Created **RFC for GraphQL**, **implemented POC’s** in Node.js and Go environments, enhancing data query capabilities.
* Designed and established front-end development standards and coding patterns for reuse.
* Contributed to the setup and maintenance of **GitLab CI/CD workflows**, employing **Terraform** to define and manage infrastructure as code for consistent and reproducible builds.
* Implemented APIs on **AWS S3** and **GCP** for managing images and large files.
* Worked on custom modules and widgets and made those **cross-browser** consistent.
* Seamlessly integrated **GitLab** and **Jira** with the web portal to share product enhancement request status.
* Wrote middleware **APIs in GoLang** to interact with GitLab APIs for release tracking on the web portal.
* Improved the quality of application by implementing UI test cases using **Cypress** and **Playwright**.
* Achieved 85% test coverage through the implementation of unit tests (TDD) using Jest.

**Top Achievements:**

* Created middleware APIs in GoLang for GitLab and Jira integration, streamlining release tracking, and reducing manual effort by 70%.
* Implemented GraphQL into the infrastructure, resulting in a 35% reduction in response times for data queries.
* Implemented UI automation test cases using Cypress and Playwright, increasing test coverage by 60% and reduced post-deployment issues.
* Introduced new coding patterns, page urls that resulted in a 22% improvement in application performance.
* Created **custom virtual scroll component** to show live **Over-The-Air** (**OTA)** anddeployment logs updates which increased page load times by 43%.
* Support System project which includes five major features was game changer for the Sibro’s and its customers.

**Environment**:  HTML5, CSS3, SCSS, JavaScript, ReactJS, React Context, React-Router**,** Axios, Ant Design, Node.js, Express.js, Moment.js, Jest, Webpack, GraphQL, Go**,** AWS**,** GCS**,** Nginx,Terraform,Jenkins, Git, GitLab, Jira

**Tesla**

**Senior Full Stack Developer** – March 2021 to September 2021

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

* Worked 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 based on the requirements from Elon and two levels under him to track the progress of the solar installations.
* Led the development of Bolt Forms Automation Tool to create custom forms on the fly, streamlining the documentation process for energy-related tasks.
* Added new components to Tesla Design System, ensuring a consistent and user-friendly design language across the company.
* Collaborated on the Grid project, optimizing the performance of energy distribution systems.
* Enhanced the Forms API, introducing features that facilitated smoother communication between frontend and backend systems and a 30% reduction in form-related errors.
* Used internal react context form to work with complex forms.
* Extensively worked with CSS features like **flexbox**, **grid**, **animations etc.,**
* Created **REST** API’s using **Express.js**, **Node.js** to connect to **MySQL**, **MicrosoftSQL** and **PostgreSQL** databases.
* Worked with **GraphQL** and **REST API** to communicate and consume data from other internal teams.
* Fixed existing functional defects in Bolt Forms Automation Tool and other tech debt defects.
* Improved application efficiency by introducing the new coding patterns and reusable robust components.
* Used **i18next** framework to achieve internationalization.
* Implemented Jest for unit testing, contributing to a 25% improvement in overall application reliability.

**Top Achievements:**

* Contributed to a 15% improvement in data accuracy and reporting efficiency, optimizing the tracking of energy production.
* Implemented features that resulted in a 40% reduction in form creation time, improving overall workflow efficiency.
* Facilitated collaboration between development and design teams, resulting in a 20% reduction in design-to-implementation turnaround time.

**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**

**Clients - Florida Blue (Blue Cross Blue Shield), Nova Southeastern University**

**Senior Frontend Developer** - April 2018 to March 2021

**Projects** – My Health Link, Truli Health, Chatbot, Payment Center, Message Center, Event Calendar, FRD, Spaces

* Led UI Team to develop accessible rich web applications serving over 16 million customers of the $19 billion dollar enterprise.
* Developed web applications for the Florida Blue and other tenants using **HTML**, **CSS**, **JavaScript, ReactJS, Redux, Immuatble.js, SCSS, Foundation** which supported by **Node.js, Java** on the backend.
* Implemented front-end development standards to ensure WCAG compatibility, providing tools that delight customers with disabilities.
* Led the UI Team for Truli Health project delivering simplified employer health plans that center around innovative partnerships with high value.
* Played key role in setting up the application architecture and business component structure for reusing modules in multiple projects across company.
* Mentored other developers.
* Developed custom modules and widgets for Digital Enrollment, supporting multiple tenants with different themes.
* Implemented client-side validations using validate.js, ensuring data integrity and reducing errors in the enrollment process.
* Createdcustom **Higher Order Components** like Auth component to authenticate the user.
* Created a salesforce visualforce application using LWC for an internal project.
* Worked with **Immutable.js** data structures like **List, Map, OrderedMap, Set, OrderedSet.**
* Created POC’s on latest react features like hooks, Portals, Context API and introduced them into the applications.
* 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.
* Redesigned and developed the Event Calendar application using ReactJS, Bootstrap 4, and Node.js.
* Implemented Redux-Form to manage form state, resulting in a 30% improvement in form responsiveness and user interactions.
* Implemented Jest for asynchronous tests, achieving a 40% increase in test coverage and ensuring the reliability of critical functionalities.
* Implemented client-side validation using JavaScript and react-validator, ensuring data integrity and reducing server-side errors.
* Followed Kanban method and its tools for managing and tracking the development of some products.

**Top Achievements:**

* Achieved a 40% improvement in user satisfaction by implementing features that enhanced the user interface, accessibility and usability of the application for customers with disabilities.
* Led UI team in creating, deploying and maintaining member application with 99.9% uptime.
* Created Payment Center utilizing Stripe.js for secure payment processing and streamlining transactions, thereby eliminating third-party vendor fee and saving money for the company.
* Developed Health Risk Assessment project to help in customization of plans and rates which received great feedback.
* Setting up architecture for the applications which consume mock data automatically for local development which saved tons of time for the developers, at-least half a day to one day per bi-weekly sprint.

**Environment**:  HTML5, CSS3, JavaScript, SCSS, Bootstrap4, Foundation, ReactJS, React Hooks, Redux, Redux-Thunk, React-Router**,** Axios, Salesforce, LWC, Node.js, Immutable.js, EssentialJS, Express.js, Stripe.js, Moment.js, Lodash, Chart.js, WCAG 2.0, WCAG 3.0, Bloomreach, ES6, JSX, Jest, Webpack, ESLint**,** Jenkins, JFrog, Git, GitLab, Rally, VSTS

**Vibha Inc**

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

**Projects** – EMT, SEM Microsites

* Spearheaded design and implementation of EMT modules, achieving a 28% boost in user engagement.
* Developed dynamic data visualizations for AutoNation’s automotive data trends using D3.js.
* Ensured optimal site performance by efficiently utilizing React component life cycle methods.
* Created a responsive website with Bootstrap, contributing to a 40% increase in mobile traffic.
* Collaborated with internal teams for GraphQL integration, enhancing backend connectivity.
* Used **Redux Architecture** for the management of data flow between the components, state and store.
* Used **Redux-Saga** as a middleware for handling asynchronous calls.
* Worked with **Axios** for **Ajax** calls and **Lodash** library for utility functions.
* Adapted to Agile methodologies, bi-weekly sprints, and daily scrums, ensuring timely feature delivery for AutoNation’s multitenant e-commerce site.

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

**FactSet Systems - Hyderabad, India**

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

**Projects** – COMA

* Contributed to the development of a proprietary financial data research tool used by internal analysts at FactSet.
* Shared responsibility for a team of 8 developers, ensuring timely releases with the highest quality.
* Improved software quality, resulting in a 20% reduction in post-deployment issues.
* Collaborated on a global scale, providing financial information and analytic software for investment professionals.
* Successfully delivered releases on time, demonstrating commitment to FactSet's mission of delivering cutting-edge solutions for investment research.
* Collaborated within teams, consistently meeting quick deadlines and elevating the quality and productivity of output.

**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**

**Junior Software Developer -** June 2013 to May 2015

**Projects** – Multiple Projects

* Key contributor at CTRL+R Technologies, delivering innovative web applications for various clients.
* Developed full-stack applications, meeting quick deadlines and ensuring high-quality outputs.
* Enhanced user experience, resulting in a 55% increase in customer satisfaction.
* Collaborated within small teams, leveraging expertise in web applications, mobility, and B2B/B2C solutions.
* Involved in writing jQuery-based Ajax requests using jQuery.get, jQuery.ajax and jQuery.post.
* Hands-on expertise in developing Angular JS 1.x features like Directives, Controllers, Filters, Services.
* Used angular directives ng-show, ng-hide, ng-animate for dynamic loading and support for animation.
* Played a pivotal role in the startup's evolution from a small team to an export-oriented Software Development Center.

**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

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# Portfolio – <https://findthemahi.web.app>