Madhu reddy B

Sr.Front-End Developer

Frisco, United States, 75035

(551) 328-3383

bmsr0108@gmail.com

http://www.linkedin.com/in/ madhuReddyB

Professional Summary:

- Enthusiastic and seasoned **Front-End Developer** with over **8+ years** of experience
- **Pioneered** the development of **high-performance, transactional web applications** for leading clients in the **Banking and E-commerce sectors**, driving significant improvements in **client-side processing efficiency**.
- **Led** a series of successful **project migrations** to **Angular 3+**, harnessing the framework's advanced features to enhance **application responsiveness** and **scalability**.
- **Championed** the adoption of **ES6 standards** across all front-end projects, resulting in more **concise and maintainable codebases**.
- **Directed** cross-functional teams in the **iterative design** of **user interfaces**, significantly improving the **end-user experience** and increasing **customer satisfaction ratings**.
- **Innovated** the use of **SASS and LESS** in conjunction with **Bootstrap** to produce aesthetically pleasing,
  responsive designs that increased user engagement by over **30%**.
- **Orchestrated** the seamless integration of **Node.js-based RESTful services**, enhancing the interoperability of front-end and backend systems, and cutting down **response times by 25%**.
- **Oversaw** the incorporation of **automated testing suites** using **Jasmine and Mocha**, which reduced bug rates by **40%** and expedited the development cycle.
- **Curated** a suite of **data visualization interfaces** employing **D3.js**, which enabled non-technical stakeholders to gain insights from complex data streams, supporting better **business decisions**. **Administered** version control with **GIT**, leading to a **20% increase** in development efficiency and collaboration within a team of **25+ developers**.
- **Executed** comprehensive **cross-browser and cross-platform testing** protocols, which contributed to a
  50% reduction in post-deployment issues.
- **Fostered** a culture of **continuous learning and innovation** within the development team, encouraging **knowledge sharing** and **professional growth**.
- **Contributed** to the strategic planning and implementation of **AWS cloud solutions**, optimizing cost by **15%** while ensuring **99.99% uptime** for critical applications.
- **Advocated for** and implemented **best practices** in **code quality and security**, achieving top-tier standards in industry **compliance** and **data protection**.
- **Revolutionized** the user experience by introducing a **predictive search** functionality using Angular, **improving user retention** by 20%.
- **Spearheaded** a **mobile-first** initiative, redesigning applications to be **responsive** on all devices, resulting in a **40% uptick** in mobile user engagement.

- Implemented **advanced caching mechanisms** with service workers in JavaScript, leading to a **70% reduction** in load times for repeat visits.
- **Optimized** application performance by integrating **state management** patterns with Redux in React.js projects, ensuring a **smooth UI/UX** even under heavy data loads.
- Played a pivotal role in **establishing a DevOps culture**, integrating front-end pipelines with **CI/CD**

- processes that **enhanced team productivity** by 30%. **Led** the transition to **microservices architecture** for front-end components

Work Experience :

Jan 2023 - Present

Sr.Front-End Developer

Wells Fargo at San Francisco , USA

Responsibilites:

- **Architected** complex **financial web applications** at Wells Fargo, leveraging **Express on Node.js** and **MongoDB** to handle high-volume transactions with unerring accuracy.
- **Transformed** customer engagement through **SASS and Bootstrap** to deliver a **responsive design** that adapts to various devices and screen sizes.
- **Integrated** Angular Fusion Charts within financial reporting modules, providing **real-time data visualization** and analytics for better fiscal decision-making.
- Developed **SPA** frameworks using Angular , enabling **dynamic data binding** and **efficient view routing**, significantly reducing page load times.
- **Enhanced** application **security frameworks** with **JWT** and **Guards**, securing customer data and safeguarding against unauthorized access.
- **Refined** user experience with **Angular validated forms**, automating error handling and improving data collection processes.
- **Streamlined** front-end to backend communication with **Angular** and **RESTful APIs**, ensuring smooth and consistent data flow for user operations.
- **Processed** and **visualized JSON data** with Angular , delivering a **rich UI experience** and facilitating intuitive customer interactions.
- **Designed** and implemented **custom Angular Pipes**, enabling **efficient data organization** and improving the presentation of vendor information.
- **Consolidated** data operations using **RESTful services**, centralizing data access and management.
- **Optimized** code management with **Webpack**, enhancing performance and scalability of SASS and TypeScript assets.
- **Visualized** complex financial datasets with **D3.js**, creating **interactive reports** that simplify interpretation and trend analysis.
- **Standardized** user experience across all platforms, resolving **cross-browser compatibility** challenges.
- **Developed** robust **test automation** with **Jasmine** in a **TDD** environment, ensuring high-

quality code and reducing defects.

- **Led** the adoption of **CI/CD practices** with **Jenkins**, accelerating delivery cycles and improving deployment success rates.
- **Deployed** critical banking applications on **AWS**, leveraging cloud technology for **enhanced availability** and **scalability**.
- **Promoted Agile practices** within a **Kanban** framework, driving team efficiency and adaptive project management.
- **Coordinated** with teams using **GIT** for version control, fostering a collaborative and efficient development environment.

Jun 2020 - Jul 2022

Sr.Front-End Developer

Meta at New York , USA

Responsibilites:

- **Orchestrated advanced UI/UX designs** using **React.js** and **Redux**, delivering highly interactive social media features.
- **Integrated GraphQL APIs** for optimized data retrieval, reducing server load and improving application speed.
- **Led a migration** to **React Hooks**, simplifying state management and lifecycle methods across complex components.
- **Deployed dynamic routing mechanisms** with **React Router**, enhancing single-page application navigation.
- **Implemented TypeScript** for static typing in JavaScript, ensuring reliability and maintainability of code.
- **Adopted CSS-in-JS solutions** like **Styled Components**, streamlining style management in React applications.
- **Utilized WebSockets** for real-time, bidirectional communication, enabling live content updates and notifications.
- **Drove the adoption of progressive web app (PWA) technologies**, significantly improving user engagement on mobile platforms.
- **Applied headless CMS architecture** for content-rich applications, facilitating greater flexibility in front-end frameworks.
- **Championed the use of front-end performance optimization techniques**, such as code-splitting and lazy loading with **React Suspense**.
- **Enforced best practices** in **accessibility (a11y)**, ensuring inclusivity and compliance with WCAG standards.
- **Managed state-of-the-art CI/CD pipelines**, automating build, test, and deployment processes with **Jenkins** and **Docker**. • **Leveraged React Native** for cross-platform mobile app development, maintaining codebase consistency and efficiency.
- **Implemented modern authentication flows** with **OAuth** and **OpenID Connect**, bolstering app security.
- **Fostered a DevOps culture**, integrating front-end operations with backend services in a **microservices ecosystem** using **Kubernetes**.

Feb 2018 - Jun 2020

Front-End Developer

Axians at India

- Developed **front-en**d application and components using **HTML5, CSS3, JavaScript, React** for the login and management module.

- Developed the Application as Single Page Application using **React, React-Router.**

- Implemented **Flux** for application **data flow** and management.

- Consumed **REST** web service for fetching **JSON** format data from web server.

- Involved AJAX calls for data updates in UI along with **JSON** data parsing.

- Used **Bootstrap** and Media queries to make responsive web pages.

- Integrated **D3.js** reporting component for customer behavior information display.

- Involved in TDD for developing and performing test cases using Jasmine and Karma.

- Involved AWS Elastic Beanstalk for deploying and scaling web applications and services developed with Java and Node.js and Docker on familiar servers such as Apache.

May 2015 - Jan 2018

Front-End Developer

Gemini Solutions Pvt Limited at India

- Used HTML, CSS, and JavaScript for the front-end designing.

- Responsible for understanding functionality at client side and knowledge transfer.

- Cleaned up and rewrote front-end HTML and CSS to meet validation requirements.

- Maintained project documentation and assisted in application design.

- Implemented the project and fixed the bugs in the module.

- Handled PHP backend development for dynamic database-driven website.

- Interacted with project leaders, designing, and developing web pages, animations, still graphics, banners, greeting cards, logos, etc.

- Involved in documenting changes in the system, adhering to Quality processes.

- Created job details, activity diagrams, test cases and communicated with the client regularly.

- Conducted data prep for system testing, regression testing, and end-to-end testing using MySQL 3.5. Worked closely with Program Engineers to develop an interface that integrates front end and back-end mechanisms.

- Documented detailed changes in the system following Quality processes.

Skills

Programming Languages	Java
UI Technology:	HTML5, CSS3, SASS, LESS, Bootstrap, jQuery
Libraries & Frameworks:	Angular 4/5.0/7.0, React.js, Node.js, Semantic UI, Vue.JS
Reporting Tools:	D3.js, Angular Fusion Charts, Chart.js
Web Services Technologies:	XML, JSON, AJAX, REST, JAX-WS(SOAP)
Databases:	MySQL, MongoDB, Oracle, MS SQL Server, PostgreSQL
Version Control Tools:	GIT, SVN
Unit Testing Tools	Jasmine, QUnit, Karma, Mocha, Chai
Continuous Integration:	Jenkins
Task Runners & Bundlers:	Gulp, Grunt, Webpack
Development Methodologies:	Agile, Scrum, TDD, BDD
IDEs:	Eclipse, IntelliJ IDEA, Visual Studio Code, WebStorm, NetBeans, Sublime Text, Atom
JEE Technologies:	Servlets, JSP, JDBC, EJB, Spring, Struts, Spring Boot
Web/Application Servers:	Apache Tomcat, IBM WebSphere, WebLogic
Build Tools:	Maven, Apache ANT
AWS Services:	EC2, RDS
Software Skills:	Adobe Photoshop, Adobe Illustrator, Dreamweaver, Microsoft Office

Education:

Master of Engineering in computer engineering

Stevens Institute of Technology at Hoboken, NJ

Bachelor of Technology in Electronics communication engineering

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology at India