**Name:** Ajay Reddy

**E-Mail:** [**ajaynet.fse@gmail.com**](mailto:ajaynet.fse@gmail.com)

**Phone:** +1 760 936-8683

**LinkedIn:** <http://www.linkedin.com/in/reddy5679>

**Role:** Sr. Frontend Software Engineer

**SUMMARY**

* Over **5+ years** of professional experience as a **Senior Software Engineer** specializing in **Frontend** with a strong background with strong backend knowledge in **Java** and **Spring Boot** and **API integrations,** developing high-performance Single Page Applications **(SPAs)** and reusable components.
* I am proficient in state management using **Redux** and **Redux-Saga,** andskilledinleveraging **React Query** and **WebSocket’s** for real-time analytics.
* knowledge of **JavaScript (ES6+)** and **TypeScript**, combined with strong object-oriented programming principles, enabling the design of robust applications using React.js and Angular.js architectures.
* In-depth understanding of **CSS3** and design libraries like **Tailwind CSS**, **Material-UI**, **Bootstrap**, and **Ant Design**, enabling the creation of elegant, responsive UI components across major frameworks.
* Skilled in using **Figma, Adobe XD, and Photoshop** for wireframing, prototyping, and building UI assets, facilitating seamless collaboration between design and development teams.
* Proficient in creating responsive, mobile-first UIs by leveraging **Bootstrap’s layout grid system**, reusable components, and utility classes to accelerate front-end development cycles.
* Strong expertise in **Java, Python, SQL, Selenium, Playwright,** and **Karate,** with a passion for delivering reliable test architecture withinAgile DevOps environments.
* Experiencedinwritingand **optimizing SQL queries** forperformance and reliability.I am skilledin **Bitbucket, JIRA,** and **GitHub** for version control and task management and WordPress websites, themes, and **plugins using PHP, ACF (Advanced Custom Fields),** and **WP Engine (WPE).**
* Expert in building reusable **UI components,** integrating secure **CI/CD pipelines,** andoptimizing **UX** across browsers and devices.
* Strong command of **unit testing** and **end-to-end testing** using tools like Jest, Karma/Jasmine, and Cypress, ensuring application reliability through test-driven development practices.
* Strong backend expertise with **Java API development,** microservices architecture, and GraphQL, RESTful services.
* Practical experience working with **relational and NoSQL databases**, including **MySQL**, **PostgreSQL**, and **MongoDB**, for storing, retrieving, and managing structured and unstructured data in web applications.
* Experienced in deploying and managing applications on **AWS**, with hands-on knowledge of services like **S3**, **EC2**, **CloudFront**, and **Lambda**, ensuring scalability, availability, and performance in cloud-hosted environments.
* Adept at employing **DevOps practices,** continuous delivery, and automated testing using **Docker, Jenkins, Groovy,** and **Concourse.**
* Successfully engineered scalable solutions for **financial** and **healthcare sectors**, aiming to leverage expertise in React development to enhance user experience and application performance.

**EDUCATION**

**Rivier University, US**

Master of Science, Computer Science

**Jawaharlal Nehru Technological University, Hyderabad, India**

Bachelor's degree in Electronics and Communication Engineering

**SKILL SET**

* **Web Technologies:** HTML, HTML5, CSS3, SASS, XHTML, XML, AJAX, jQuery, WordPress, Typescript, JSON, Twitter Bootstrap, React JS, Redux JS, Flex, Express JS, GitHub, Vue.js, RESTful APIs
* **IDE’s:** Eclipse, Visual Studio Code, Notepad++, WebStorm, Sublime
* **Debugging tools:** Firebug, Chrome Developer Tools
* **Programming Languages:** Java, Spring Boot, J2EE, Python, Shell Script, .Net, JavaScript, Node.js, C#, Asp.Net
* **Operating systems:** Linux - Ubuntu, Mac OS, Windows
* **Servers:** Apache Tomcat, JBOSS, WebSphere, WebLogic
* **Version Control:** GIT, SVN
* **Build Tools:** Jenkins, CI/CD Pipelines
* **Performance Optimization:** PHP, Apache, load testing tools, WordPress
* **Database:** SQL Server, MySQL, MONGODB, PostgreSQL, Database Programming, Entity Framework
* **Frond End Tools:** CorelDraw, Dreamweaver, Adobe Photoshop CS5, Illustrator
* **Testing Tools:** Selenium, Just, HP Quality Center, Swift JIRA, Karma, Mocha
* **Cloud:** AWS, Splunk, Cloud Services, Azure, GCP
* **UI Design Tools:** Figma, Adobe Photoshop

**PROFESSIONAL EXPERIENCE**

**Client: Humana, Boston, MA**

**Role: Senior Frontend Software Engineer April 2023 – Present**

**Responsibilities:**

* Developed maintainable and scalable components of **web applications** using HTML5, CSS3, JavaScript, ReactJS, Redux, PHP (Laravel) and AJAX, Next.js enabling real-time product insights and performance analysis.
* Designed and developed responsive, scalable, and reusable **UI components** using **React.js** (Hooks, Context API) and **Angular** 18 (RxJS, NgRx, Standalone Components) for Humana's Members and Provider Portals/Webs, enhancing user experience.
* Worked on **SDLC** phases including planning, development, testing, documentation, and production support of core internal applications.
* Designed and implemented scalable REST APIs using **Flask** and SQLAlchemy for real-time healthcare services.
* Built and maintained backend services with **Java (Spring Boot)** and integrated Hibernate ORM for database interactions.
* Designed and implemented **Micro-Frontend architecture** using **Webpack Module Federation** to enhance modularization and scalability of large applications.
* Developed and integrated **RESTful APIs** and **GraphQL endpoints** to enhance data retrieval efficiency and real-time updates in web applications.
* Integrated **AI-powered chat applications** using **OpenAI’s GPT,** Google and **WebSocket’s** with **React WebRTC** to enable real-time patient chat and doctor consultations, enhancing communication efficiency.
* Built a **Node.js backend** to optimize **microservices, API** response times and manage **REST API integrations** with **front-end applications,** ensuring seamless **data exchange.**
* Built and maintained responsive **WordPress websites optimized** formobile and desktop platforms, ensuring **ADA** compliance and accessibility remediation.
* Developed **RESTful** and **SOAP-based web services** using **Java/J2EE** with **Spring Boot,** improving system efficiency.
* Collaborated with business analysts and **UI/UX designers** to deliver visually consistent, accessible, and responsive user interfaces using **React 18** and **Next.js.**
* Configured tsconfig.json in **TypeScript** projects to optimize compiler options, enabling strict type checking, module resolution, and enhanced debugging.
* Built scalable applications with **PostgreSQL** and **Oracle SQL,** todevelop stored procedures for real-time data analytics.
* Developed and executed **automated UI tests** using **Jest** and **Mocha**, ensuring robust and **error-free** applications**.**
* Mentored junior developers in **Flutter, JavaScript,** andUI development, enhancing team capability.
* Enhanced role-based access control **(RBAC)** to ensure **PII** and **HIPAA-compliant data security** for different user roles **(members, doctors, administrators)**.
* Configured **Azure Blob Storage** for secure and cost-effective storage of unstructured data, enabling seamless integration with cloud-based applications.
* Contributed to **CI/CD automation pipelines** using **Docker, Jenkins,** **Azure DevOps and GitHub Actions**, streamlining deployments and reducing manual errors.
* Led cloud engineering initiatives using **Azure DevOps** and **GCP** for application deployment, containerization, and scaling.
* Utilized **GIT** and **SourceTree** for **version control**, ensuring **code integrity** and seamless team collaboration, which improved **project delivery timelines.**

**Environment**: React.JS, Redux, Angular15,18, Vue.js, ES6, Typescript, JavaScript, HTML5, CSS3, Ajax, Bootstrap.JS, Angular, python, MySQL, REST, Node.JS, GitHub, Scrum, PHP, WordPress, Agile, AWS, Jenkins, JSON, XML, Jira.

**Client: Capital Group, San Antonio, TX**

**Role: Frontend Software Engineer Mar 2021 – April 2022**

**Responsibilities:**

* Developed **GraphQL** resolvers to fetch data from databases REST APIs and microservices ensuring a unified data layer with minimal redundancy and better consistency.
* Defined new validations through **Angular 15** for form fields using **HTML5**, improving data accuracy and **user input validation.**
* Utilized **Angular15** in-built directives such as **filters, root scope,** and **modal** to streamline development and enhance application functionality.
* Developed financial dashboards using **React.js, React Query,** and **Spring Boot APIs** with responsive designs.
* Developed and optimized **React-based trading** and **financial applications** using **React Query (TanStack Query)** for efficient data fetching.
* Designed and developed **Python** REST APIs using Flask and Django ensuring secure, scalable, and high-performance backend solutions for web and mobile applications.
* Led front-end development for **financial dashboards, trading apps,** and **QuickBooks UI internationalization** using React, Angular, and Vue.js.
* Maintained and enhanced legacy **Java-based backend systems,** implementing Hibernate for data persistence.
* Built **SQL queries, triggers,** and reports for financial transaction systems using **MySQL** and **Big Query.**
* Developed and maintained responsive **WordPress websites** with **custom themes, plugins,** and **ACF** for page options and customization.
* Used **React Query** and **Redux Toolkit** to optimize **API calls** and cache **financial data**, which reduced **load times** and **improved application** responsiveness
* Followed **Test-Driven Development (TDD) practices**, reducing bugs in production. Optimized API response times, reducing latency and improving system efficiency.
* Built and **optimized** **data pipelines** using **GCP BigQuery, Oracle** and **Cloud SQL** to enhance financial data processing and reduce query latency.
* Developed applications on **MVC framework,** ensuring a clean division between controllers and enhancing flexibility with interfaces, which streamlined the **web layer** over the **business layer**.
* Deployed containerized applications on **AWS** using **ECS** and **EKS** managing microservices with seamless integration of Docker and Kubernetes for scalability.
* Configured and optimized **MySQL** and **Apache** performance to handle high-volume web traffic efficiently.
* Collaborated with teams using **React.JS** and **Node.js** libraries, including **NPM** and gulp, to generate desired views and properly **route URLs**, enhancing application functionality.
* Secured **Azure** applications using **Azure Active Directory (AAD)** implementing authentication, role-based access control **(RBAC),** and multi-factor authentication **(MFA).**
* Integrated **AEM** withthird-party APIs, **RESTful services,** and **GraphQL** forseamless content delivery across multiple platforms.
* Designed **UI screens** using **Adobe Photoshop,** enhancing **user interface aesthetics.** Developed **PL/SQL** scripts for data **migration** and **transformation**, improving **data manipulation efficiency.**
* Collaboratedwith **backend developers, database administrators,** and **QA teams** in an **Agile/Scrum** environmentto deliver sprint goals efficiently.

**Environment:** HTML5, CSS3, JavaScript, React.Js, Vue.js, Python, JSON, Node.js, Angular15, Webpack, SASS, Bootstrap, Jest, Enzyme, Mocha, Spring Boot, Jasmine, Chrome Developer Tools, Restful Web services, Agile, JIRA

**Client: Cyient-India**

**Role: Front Web Developer Aug 2019 – Feb 2021**

**Responsibilities:**

* Created **front-end pages** using **HTML, CSS,** and **JavaScript,** enhancing **web design** and **development efficiency.**
* Migrated a traditional REST API to **GraphQL** reducing network requests, eliminating over-fetching issues and improving API efficiency for better data retrieval.
* Implemented **React 16’s Streaming SSR**, allowing the application to send UI chunks progressively to the client, significantly improving perceived load times and enhancing SEO for dynamic content.
* Implemented the **U-Verse Package** Selection Moduleusing **AngularJS** for **RESTful API calls** and **data binding,** enhancing module functionalitywithvarious **Angular UI widgets** and **components**
* Managed deployment and operation of the product on **AWS** and other **data centers,** ensuring seamless **integration** and **performance.**
* Implemented **Electronic Health Records,** including **Cerner EHR,** improving **healthcare invoicing** and **medical records processing** and **auditing.**
* Built **RESTful APIs** in **Rails** andconsumedthemvia **AJAX** and **JSON** in **dynamic web interfaces.**
* Hands-on experience working with server-side **JavaScript frameworks** like Express**, Koa, Hapi (based on Node.js)** for server-side rendering and building **APIs.**
* Designed and developed **JSON** and **XML objects using MySQL** and **Ajax** to enhance website functionality, ensuring seamless server requests.
* Scheduled automated tasks in **Node.js** using cron jobs and the **node-cron** package, managing background jobs like email notifications and data backups.
* Deployed **REST APIs** on cloud platforms like **AWS (Lambda, EC2, API Gateway)**, **Heroku**, and **Digital Ocean**, ensuring high availability, scalability, and monitoring with **Postman** and **New Relic**.
* Optimized **CI/CD pipelines** with caching strategies, parallel builds, and artifact management using **Nexus, Artifactory, and AWS CodeArtifact**.
* Designed email blasts using **Adobe software** and implemented them with **HTML** and **JavaScript,** increasing **user engagement.**
* Used **JavaScript** testing **frameworks** **Jasmine** and **Karma** to test the application, ensuring **high code quality** and **reliability.**
* Exposure to various Application Servers like **IBM WebSphere**, **BEA Web Logic, Apache Tomcat** and **JBoss.**

**Environment:** HTML, jQuery, JavaScript, Ajax, JSP, Node.js, HTML, Rest API, Angular JS, bootstrap, Shell Scripts, Kibana, agile, Oracle, MongoDB, SQL, PLSQL, DB2, Jira, GIT, Gulp, Tomcat, and WebSphere.