ASRITHA VEMIREDDY

## Full Stack Developer | Java, React.js, Angular | TypeScript | UI/UX | Redux | Performance Optimization

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# SUMMARY

Detail-oriented Full Stack Developer with 5+ years of experience building scalable, responsive web apps using React.js and TypeScript. Skilled in UI/UX implementation, state management with Redux and Context API, and REST API integration. Demonstrated expertise in testing with Jest and React Testing Library, and optimizing performance through modern build tools like Vite and Webpack. Thrives in collaborative Agile teams, contributing to faster delivery and higher code quality.

# TECHNICAL SKILLS

**Programming Languages:** JavaScript (ES6+), TypeScript, Java, Node.js

**Frontend Technologies:** React (v16+ & 17+),Angular, Redux, React Query, React Hooks, Context API, Tailwind CSS, HTML 5, CSS 3 **Backend Technologies & Frameworks:** Spring Boot, Express.js, Node.js, RESTful APIs, Microservices architecture **Authentication & Security:** OAuth 2.0, JWT, AWS Cognito, Azure Active Directory

**Databases:** MongoDB, PostgreSQL, MySQL/NoSQL

**Testing & Quality Assurance:** Jest, React Testing Library, Postman, Unit & Integration Testing, Frontend Test Coverage

**DevOps & CI/CD:** Git,GitHub Actions, Jenkins, Docker, AWS

# PROFESSIONAL EXPERIENCE

**CDx Diagnostics** New York, USA

Full Stack Java Developer Jan 2024 – Present

* Spearheaded the development of responsive web applications using **React.js** for the frontend and **Java 8 / Spring Boot** for backend APIs, translating Figma mockups into dynamic user interfaces.
* Engineered scalable state management solutions using **Redux Toolkit** and **Context API**, reducing state-related bugs by 45%.
* Developed and integrated **RESTful APIs** with Spring Boot for real-time data interaction, enhancing dashboard load speed and improving user satisfaction.
* Optimized application performance by implementing **lazy loading** on the frontend and backend-level caching, and by leveraging **Vite** for fast builds—resulting in a 50% decrease in initial load time.
* Maintained 90%+ unit and integration test coverage using **Jest** for frontend and **JUnit/Postman** for backend, ensuring stable and confident production releases.
* Partnered with cross-functional teams in Agile sprints, contributing to both UI and API layers, accelerating product delivery cycles and increasing sprint velocity by 20%.

**HCLTech** Bangalore, India

Full Stack Developer Aug 2021 – Jan 2023

* Developed and deployed reusable **React** and **TypeScript** components integrated with **Java Spring Boot APIs**, reducing code duplication by 60% across modules.
* Transformed static UI designs into pixel-perfect, accessible web pages using **HTML5**, **Tailwind CSS**, and **ARIA-compliant elements**, improving usability scores.
* Led frontend state refactoring using **Redux**, and connected components to dynamic backend services, enhancing data consistency and developer onboarding efficiency.
* Improved build efficiency by customizing **Webpack** and optimizing backend API response times, cutting overall load and build time by 25%.
* Created analytics dashboards using **Chart.js** powered by backend data fetched from **REST APIs**, enabling real-time decision-making for stakeholders.
* Redesigned navigation architecture using **React Router** with secure route protection via backend JWT-based authentication.
* Conducted code audits across frontend and backend layers, mentoring junior developers on full-stack best practices and performance tuning.
* Collaborated closely with UI/UX designers, backend engineers, and QA teams in Agile sprints, reducing UI defects by 50% through proactive reviews and test-driven development.

**Temenos** Hyderabad, India

Frontend Developer May 2020 – July 2021

* Designed and developed **responsive, enterprise-level UI components** for digital banking platforms using JavaScript, React, and Kony Visualizer, supporting 100K+ global users.
* Enhanced **performance and maintainability** by implementing React Hooks, Redux, Context API, and optimization techniques like lazy loading and code splitting, reducing load times by 35%.
* Led migration of legacy codebase from jQuery to React, cutting maintenance overhead and improving application performance
* Ensured **accessibility (WCAG 2.1)** and **internationalization (i18n)** across 10+ global markets, broadening market reach.
* Integrated **secure frontend** with **backend REST APIs** using OAuth 2.0, while maintaining high test coverage (90%+) with Jest and React Testing Library to ensure release stability.
* Collaborated **cross-functionally** in **Agile teams**, contributing to CI/CD pipelines via Jenkins and reducing deployment times by 40%, while aligning feature delivery with product goals.

# EDUCATION

Pace University New York, USA

## Master of Science (MS) in Computer Information Systems | GPA: 3.97

Amrita Vishwa Vishyapeetham Coimbatore, India

**Bachelor of Technology in Computer Science Engineering** | GPA: 3.5

HTML, CSS, JavaScript, React, Angular, Java, .NET, Node.js, Python, REST APIs, Git, SQL, NoSQL, CI/CD, Agile, code reviews, testable code, UI/UX, debugging, W2, web applications