**ASRITHA VEMIREDDY**

 **Front End Developer | Angular | React.js | TypeScript | UI/UX | Redux | Performance Optimization**

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# SUMMARY

Front End Developer with 5+ years of experience building scalable, enterprise-grade web applications in healthcare and fintech domains. Skilled in developing responsive frontends using Angular, TypeScript, NgRx, and Tailwind CSS, and implementing secure backends with Node.js/Express and PostgreSQL. Experienced in designing and integrating RESTful APIs, building analytics dashboards, and optimizing performance through lazy loading, AOT compilation, and code-splitting. Proficient in CI/CD pipelines with Jenkins and Docker, automated testing with Jasmine, Karma, and Jest, and Agile collaboration with cross-functional teams. Recognized for improving usability, reducing defects, and delivering reliable, data-driven applications that support business goals.

# TECHNICAL SKILLS

**Programming Languages:** JavaScript (ES6+), TypeScript, Java, Python, Node.js, Data Structures & Algorithms **Frontend Technologies:** Angular (v16–18), React.js (v16+ & 17+), NgRx, Redux, React Query, React Hooks, Context API, Angular Material, Tailwind CSS, HTML5, CSS3, Bootstrap, Webpack, Babel, jQuery, OpenSearch **Backend Technologies & Frameworks:** Spring Boot, Node.js, Express.js, RESTful APIs, Microservices Architecture, RabbitMQ, Kafka, **Authentication & Security:** OAuth 2.0, JWT, AWS Cognito, Azure Active Directory, JSON, XML **Databases:** MongoDB, PostgreSQL, MySQL **Testing & Quality Assurance:** Jest, React Testing Library, Jasmine, Karma, Postman, Unit & Integration Testing, Frontend Test Coverage
**DevOps & CI/CD:** Git, GitHub Actions, Jenkins, Docker, AWS, Linux-based Development Environments

# PROFESSIONAL EXPERIENCE

## CDx Diagnostics New York, USA

Frontend Developer Jan 2024 – Present

* Built and maintained scalable web applications using Angular (v17–18) and TypeScript, translating Figma mockups into pixel-perfect, responsive user interfaces.
* Implemented reusable Angular components and modules, collaborating closely with designers and backend developers to deliver features efficiently.
* Managed application state with NgRx and RxJS, ensuring predictable data flow and consistent performance across dashboards.
* Integrated RESTful APIs with Angular HttpClient, providing real-time updates in forms and reporting modules.
* Improved application load times and responsiveness through lazy loading, route-based code splitting, and AOT compilation.
* Developed and executed unit/integration tests with Jasmine and Karma, while supporting end-to-end testing with Cypress to maintain high release quality.
* Deployed Angular applications in Linux + Docker environments, streamlining builds and deployments through automation scripts.
* Leveraged OpenSearch to enable fast, scalable search and filtering of clinical records, reducing query latency and enhancing user experience.
* Contributed in Agile ceremonies, performed code reviews, and mentored junior developers, fostering collaboration and on-time feature delivery.

## HCLTech Bangalore, India

Full Stack Developer Aug 2021 – Jan 2023

* Developed and deployed reusable Angular + TypeScript components and Node.js/Express services, reducing code duplication by 60% across modules.
* Transformed static UI designs into responsive, accessible web pages with Angular Material, Tailwind CSS, and HTML5, improving usability scores and customer experience.
* Designed and integrated RESTful APIs with PostgreSQL for secure data management, ensuring seamless communication between frontend and backend.
* Improved build efficiency by leveraging Angular CLI optimizations and setting up Nodemon for faster backend development, cutting build time by 25%.
* Built analytics dashboards with Angular and backend APIs to visualize product KPIs, enabling real-time data-driven decisions.
* Refactored state management using NgRx and optimized API queries at the backend, improving performance and data consistency.
* Automated deployments with Jenkins pipelines and Docker, reducing release cycles and ensuring reliable builds across environments.
* Collaborated with designers and QA engineers in Agile sprints, reducing UI/functional 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