

Rahul Krishna Pallath

Senior Frontend Developer | React, Next.js, TailwindCSS, Microservices | Austin, TX

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PROFESSIONAL SUMMARY

Senior Frontend Developer with 4+ years of experience building performant, accessible, and scalable web applications. Skilled in React, Next.js, TailwindCSS, and TypeScript with expertise in accessibility, state management, and CI/CD practices. Proven ability to deliver responsive UIs, collaborate with cross-functional teams, and optimize applications for global audiences.

CORE COMPETENCIES

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind, SASS/SCSS

Architecture: Component Libraries, State Management (Redux, TanStack Query), Accessibility (WCAG 2.2)

Backend/Integration: Node.js, REST APIs, GraphQL

DevOps: Git, GitHub Actions, Docker, CI/CD Pipelines, Azure DevOps

Testing: React Testing Library, Jest, JUnit, Mockito

Collaboration: Agile/Scrum, Design Systems, Cross-functional Teams

ACHIEVEMENTS

- Published research on enhanced 3DES encryption in the *International Journal of Advanced Science and Technology*.
- Received Deloitte Spot Awards, Applause Award, and Outstanding Award for engineering excellence.
- Delivered ColomboAI's streamlining chat interface with media integration along with LLM Fine-tuning.

PROFESSIONAL EXPERIENCE

Full Stack Engineering Intern, ColomboAI, Austin, TX

Jun 2025 – Present

Working on building in-house AI platform with React/Next.js and Node.js in collaboration with Google.

- Built accessible React/Next.js dashboards with Tailwind, ensuring WCAG 2.2 compliance and responsive design.
- Integrated GraphQL and REST APIs with authentication, boosting personalization and feature adoption.
- Conducted performance audits and localization updates, improving page load speed by 20%.

Frontend Developer, Mphasis Corporation, New York, NY

May 2024 – Aug 2024

Worked for a global banking client on fraud detection dashboards and financial monitoring systems.

- Delivered React/TypeScript components with accessibility features, reducing defects in QA by 30%.
- Integrated backend APIs with GraphQL/REST for real-time fraud alerts and case management.
- Enhanced cross-device performance with semantic HTML and ARIA attributes for inclusivity.

Consultant – Frontend Engineer, Deloitte Digital, United States

Aug 2020 – Aug 2023

Contributed to enterprise portals and SaaS platforms for education and financial clients.

- Designed reusable UI libraries in React/Next.js, cutting dev effort by 40% across multiple apps.
- Implemented accessibility-first design with ARIA roles and high-contrast themes, boosting engagement by 25%.
- Optimized UI performance and SEO, raising Lighthouse scores by 30%.
- Partnered with PMs and designers to deliver 25+ UI screens across onboarding, dashboards, and reporting tools.

Software Developer – Web Applications, ATNA Technologies, Bangalore, India

Aug 2019 – Jul 2020

Worked on web modernization and service development for enterprise clients.

- Built dashboards with React and TypeScript SPAs, reducing delivery cycles by 40%.
- Developed microservices with Node.js and Spring Boot, supporting inter-service communication via REST.
- Improved observability by integrating Prometheus and Grafana with role-based dashboards.

EDUCATION

Texas Tech University, Lubbock, TX

Master of Science in Computer Science

Aug 2023 – May 2025

PROJECTS

Stock Learning App – Robinhood-Style Simulator — [Demo](#)

React, Node.js, AWS, LLM

- Built stock simulator with Finnhub API + ML predictions for bullish/bearish trends.
- Deployed AWS persistence for cash, holdings, and transaction history with secure auth.

MindMate – AI Mental Health Chatbot — [GitHub](#)

React, AWS Lambda, Node.js, Python, Bedrock

- Developed a Claude-based journaling assistant with mood tracking, offline handling, and anonymized secure logs.
- Integrated AWS Lambda + Bedrock pipelines for scalable and low-latency LLM interactions.

SPARC – Academic Grading UI — [GitHub](#)

React, .NET, GraphQL, AI/LLM

- Created grading UI for 2K+ students and instructors with role-based dashboards and session persistence.