

Rahul Krishna Pallath

Software Development Engineer | JavaScript, React, Node.js, Java, Spring Boot | Lubbock, TX
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PROFESSIONAL SUMMARY

Innovative full-stack engineer with 4+ years designing scalable systems, distributed APIs, and interactive tools using JavaScript, React, Node.js, Java, and Spring Boot. Passionate about system design, cloud-native development, and solving complex problems with clean, maintainable code. Adept at Agile collaboration, mentoring peers, and deploying resilient applications across cloud environments.

EDUCATION

Texas Tech University, Lubbock, TX

Master of Science in Computer Science

Aug 2023 – May 2025

Relevant Coursework: Distributed Systems, Cloud Native Development, Linear Programming, Relational Databases

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python

Frameworks/Tools: React, Node.js, Express, Angular, Spring Boot, REST APIs, GitHub Actions, Docker, Jenkins, Kubernetes, Azure DevOps

Cloud/DevOps: AWS (Lambda, EC2, S3, RDS), Terraform, Pulumi, Kafka

Testing: JUnit, Mockito, Cypress, Postman

Other: Data Structures & Algorithms, Object-Oriented Design, System Design, Agile, CI/CD, Accessibility (WCAG 2.1)

Certifications: AWS Developer Associate, React JS (Meta), JavaScript: The Weird Parts, Responsive Web Design

Publications: Intelligent securing of Industrial IIoT data using consensus mechanism (IJAST), Database Security using enhanced 3DES model with 168 key bits (ICCET)

RELEVANT PROFESSIONAL EXPERIENCE

Frontend Consultant, Deloitte Consulting, Bangalore, India

Aug 2020 – Aug 2023

Technologies: React, JavaScript, HTML/CSS, Spring Boot, Jenkins, GitHub, Jira, Figma

- Engineered reusable, component-based frontend modules across high-traffic portals, cutting duplicate code by 60% and boosting delivery speed by 40%.
- Built a low-code drag-and-drop UI builder enabling non dev teams to configure UIs, reducing dev load and speeding up releases across 5+ enterprise apps.
- Delivered customer-facing portals like SNHU with 0 QA defects in 5+ releases via rigorous TDD and design reviews.
- Mentored 5+ junior devs; collaborated with cross-region teams to ensure on-time sprint delivery in Agile sprints.
- Led WCAG 2.1 compliance initiative, implemented ARIA, keyboard navigation, and semantic updates, boosting engagement by 25%.

Software Engineering Intern, Mphasis Corporation, New York, NY

May 2024 – Aug 2024

Technologies: React, Node.js, REST APIs, GitHub Actions, Azure DevOps, JUnit, Mockito, Java, Spring Boot

- Built dynamic dashboards in React and integrated secure REST APIs, improving ops visibility across business units.
- Automated GitHub-Actions-based CI/CD pipelines and improved deployment time by 30% via Azure DevOps.
- Developed a logging/auditing platform with fine-grained RBAC, ensuring compliance readiness for internal reviews.
- Coordinated backend API contracts and maintained 90%+ test coverage, enabling smooth backend integration.

PROJECTS

MindMate – Mental Health Companion Chatbot

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

- Built an empathetic chatbot using AWS Bedrock (GPT-4) with journaling, goal setting, and breathing modules.
- Designed a responsive React UI with offline alerts, mood tracking, and light/dark mode using Tailwind CSS.
- Integrated Python backend with real-time Google Sheets logging, user activity tracking, and emotion analysis.

SPARC – Academic Grading UI

React, Tailwind, GraphQL, .NET APIs

- Created a real-time grading UI with AI-assisted feedback used by 2K+ students for logic programming tasks.
- Used GraphQL queries with caching and lazy-loading to minimize overfetching and boost performance.
- Partnered with CS faculty to customize rubric logic and maintain academic consistency in evaluations.

Stock Learning App – Robinhood-Style Stock Simulator

React, Finnhub API, Tailwind, Node.js

- Developed a beginner-friendly trading simulator with real-time pricing via Finnhub API to teach stock concepts.
- Enabled stock buying/selling, live watchlists, investment tips, and user authentication with session support.
- Designed the platform to mimic Robinhood's UX, offering an intuitive, gamified learning interface.