ANJU KARANJI

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SUMMARY

Frontend Engineer (~5 years) specializing in React, TypeScript, and scalable, data-rich UIs. Experienced in building pixel-perfect interfaces, real-time and offline-first systems, and integrating frontend components with REST APIs. Strong background working with designers, product teams, and domain experts to deliver clean, accessible, highly interactive user experiences. Skilled at debugging complex data flows, improving performance, and writing maintainable, production-ready code.

CORE SKILLS

- Frontend: React.js, TypeScript, JavaScript (ES6+), HTML5, CSS/SCSS, UI Architecture, Component Libraries, Figma Collaboration, Pixel-perfect Implementation
- Advanced UI & Realtime: Custom UI Components, Virtualization, State Management, Offline-first interfaces, Real-time Collaboration (Replicache), Performance Optimization.
- Backend & APIs: Node.js, Java, Spring Framework, Hibernate, REST APIs, GraphQL, Auth0, Microservices integration, SQL
- Cloud & Infrastructure: AWS (Lambda, Step Functions, API Gateway, Aurora, SQS/SNS, CloudWatch, CDK, S3), CI/CD pipelines
- Testing & Quality: Jest, JUnit, Cypress, Integration Testing, Regression Testing, Load & Stress Testing
- Tooling & Dev Workflow: Git, Webpack, Babel, npm/pnpm, Storybook, Version Control, Agile

WORK EXPERIENCE

Full Stack Engineer | Executive Homes, LLC | April 2023 – Jan 2025

- Built a real-time, offline-first collaboration system using Replicache + Aurora, enabling multi-user editing, conflict resolution, and low-latency sync across complex construction workflows.
- Designed and delivered 40+ reusable, high-performance React components (drag-and-drop, scroll-tracking, tab management, custom layout engines) — all written without third-party libraries for strict UX/performance requirements.
- Partnered closely with designers to ship pixel-perfect UI that matched Figma specifications across cutsheet requirements, floor-plan templates, room-level plans, and contractor checklists.
- Contributed to backend/cloud systems: Integrated new features into Lambda Step Functions, collaborated on API Gateway design, and supported CDK deployments during early product expansion.
- Improved UI load time and render stability through memoization, virtualized lists, and state normalization.
- Advocated for scalable front-end patterns (component composition, state isolation, accessibility, testing practices) that shaped team-wide standards.

Software Development Engineer I | Amazon Inc. | April 2022 - March 2023

- Delivered React + TypeScript features for labor planning, shift scheduling, and performance-tracking tools used across 140+ sort centers and 100K+ associates.
- Translated Figma and internal design specs into pixel-perfect, accessible UIs, ensuring consistency, clarity, and intuitive workflows for high-volume operations teams.
- Collaborated closely with backend teams to integrate frontend components with REST APIs, refining API contracts, debugging complex data-flow issues, and improving end-to-end performance.
- Owned the architecture of a Java-based AWS Lambda migration pipeline that processed 14M+ JSON records, reducing data retrieval latency from ~30 minutes to seconds.
- Wrote unit tests and integration tests using JUnit and Amazon QA frameworks, ensuring reliability for both frontend interactions and backend data consistency.
- Worked cross-functionally with product managers and stakeholders to turn operational requirements into clear technical workflows, UI flows, and data models.
- Debugged and improved performance at the frontend-backend boundary: caching strategies, request optimization, and troubleshooting inconsistent or heavy payloads.

- Delivered production features under tight timelines by owning front-end codebases, adopting new standards quickly, and maintaining clean, maintainable code.

Java Tutor | Varsity Tutor | November 2020 - January 2022

- Delivered one-on-one tutoring sessions in Java, OOP, debugging, data structures, and API fundamentals, adapting concepts for learners at different levels.
- Created custom exercises and real-world examples to strengthen students' understanding of logic, control flow, and code organization.

Software Test Engineer | ClassCalc | May 2021 - August 2021

- Performed manual testing across web and mobile environments, identifying UI inconsistencies, edge cases, and workflow issues.
- Collaborated with engineers to improve reliability, usability, and regression coverage across multiple product releases.

Web Developer (Volunteer and Freelance) | Various Clients | Jan 2021 – Dec 2021

- Designed and built websites for nonprofits and small businesses using HTML, CSS, JavaScript, and modern frameworks.
- Improved user experience through clean layouts, accessible design, and lightweight performance-focused implementations.
- Partnered with clients to understand brand goals, refine user flows, and align each project with business needs.

Early Career | Various Roles - Bengaluru & Pune, India

- Developed enterprise applications for retail and IT clients using Java, JSP, Spring, Hibernate, Struts, and SQL.
- Delivered solutions including an office-automation system, a compliance tracker, and a healthcare app (later NexHealth), helping migrate it from servlets to Spring + Hibernate.
- Built the Skill Enhancement Tracking System (SETS), an internal web app for assessing employee skill levels.

ADDITIONAL INTERESTS AND ACTIVITIES

- Build creative frontend tools, including SayBuild, an LLM-powered, voice-driven visual page builder exploring new UI interaction patterns.
- Write technical blogs on React, TypeScript, UI architecture, and real-time collaboration, focusing on clarity and practical problem-solving.
- Mentor early-career developers, offering guidance on frontend fundamentals, UI patterns, and learning paths.
- Passionate about design systems, modern UX, and exploring how AI can enhance developer workflows.

EDUCATION

Bachelor of Engineering in Information Science and Technology
Visvesvaraya Technological University – Karnataka, India