

ANJU KARANJI

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SUMMARY

Full-Stack Engineer (~5 years), experienced in building scalable, data-intensive applications across React, TypeScript, and cloud-based backend services. Proven track record delivering production features end-to-end, improving performance, and designing maintainable systems used in high-volume operational and customer-facing environments.

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 (Contract) | New York Life Insurance Company | Feb 2026 – Present

- Contributing to the GuideMe digital platform, an internal tool that enables NYL agents to capture client information, explore product options, and initiate the application process in a streamlined workflow.
- Building and enhancing React + TypeScript user interfaces and integrating them with backend services within a cloud-based environment.
- Rapidly prototyping and iterating on proof-of-concept features within an R&D team to validate new product capabilities and user experiences.
- Collaborating with tech leads, designers, and platform teams to improve usability, performance, and long-term maintainability of the application.

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 and cloud services by integrating features into AWS Lambda Step Functions, collaborating on API Gateway design, and supporting a GraphQL server prior to the team's migration to a Replicache + Aurora architecture.
- 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.

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- 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