

MANJUR KANEKAL

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Summary

Software Developer with 6+ years of experience designing and delivering scalable, accessible, and high-performance web applications across healthcare, ntech, and e-learning domains. Skilled in building modern frontends using JavaScript, Angular, and React with TypeScript, RxJS, and state management libraries, and developing secure backend services with Java Spring Boot integrated with AWS. Experienced in REST and WebSocket-based real-time applications, CI/CD automation, and cloud-native deployments. Adept at modernizing legacy systems into modular, responsive architectures while ensuring WCAG-compliant accessibility, performance consistency, and maintainable code across large-scale enterprise environments.

Technical Skills

Frontend: JavaScript ES6+, React, Angular, TypeScript, Redux, Redux Toolkit, RxJS, HTML5, CSS3, Next.js

Backend: Java, Spring Boot, REST APIs, WebSocket, Microservices, Node.js

Cloud & DevOps: AWS EC2, ECS, Lambda, S3, RDS, Docker, Jenkins, Git, GitHub, SonarQube

Databases: PostgreSQL, MySQL, SQL Server, DynamoDB, Redis

Testing & Security: Cypress, Jest, React Testing Library, JUnit, JWT Authentication, Ping Identity SSO

UI/UX & Accessibility: Tailwind CSS, Bootstrap, Storybook, Responsive Design, WCAG, Highcharts, D3.js

Work ow: Agile Scrum, Jira, CI/CD

Experience

Software Developer *Texas Health Resources, USA* *Feb. 2024 – Present*

- Worked on the MyChart patient portal using React and Redux Toolkit, building and maintaining patient-facing features used by a large healthcare user base.
- Integrated frontend screens with Java Spring Boot REST and WebSocket services on AWS, handling authentication, request validation, and error scenarios across client and server layers.
- Developed reactive backend flows using Spring WebFlux and Redis caching to handle concurrent requests without blocking threads during peak traffic periods.
- Maintained data consistency using Spring Data JPA repositories and transaction boundaries when multiple services updated the same patient records.
- Added and maintained automated tests using Jest, Cypress, and JUnit, addressing SonarQube findings as part of regular code reviews and release cycles.

Software Developer *Antier Solutions, India* *Jul. 2020 – Dec. 2022*

- Worked on Angular-based crypto wallet and blockchain dashboards, building modular components, route-based navigation, and RxJS-driven data flows for real-time market and transaction views.
- Consumed high-frequency WebSocket streams from Java Spring Boot services, managing state synchronization with NgRx to keep multiple dashboard widgets consistent under continuous data updates.
- Developed Spring Boot microservices for transaction processing and blockchain data ingestion using REST APIs and non-blocking WebClient, handling concurrent requests from multiple clients.
- Implemented event-driven background processing for wallet reconciliation and failed transaction recovery using AWS Lambda and SQS, supporting asynchronous blockchain workflows.
- Improved system stability and response times using Redis and in-memory caching, along with automated testing using Cypress and JUnit to catch regressions during frequent releases.

Software Developer *MPS Infotech, India* *Dec. 2018 – Jun. 2020*

- Worked on modernizing a legacy digital learning platform by migrating JSP and Flash modules to Angular, building component-based UIs with routing, reactive forms, and RxJS-driven state management.
- Developed Angular services and interceptors to integrate Java Spring Boot REST APIs, handling authentication tokens, request validation, and error handling across client and server layers.
- Implemented SCORM-based learning workflows using Angular resolvers and local caching to track lesson progress, assessments, and resume states across user sessions.
- Contributed to backend services using Spring Boot for course management, enrollment, and reporting, applying transaction boundaries and asynchronous processing for long-running tasks.
- Worked with AWS services including EC2, S3, and RDS to support content storage, media delivery, and relational persistence, along with basic logging and deployment workflows.

Education

University of North Texas, Denton *Jan. 2023 { Dec. 2024*
Master of Science in Computer and Information Sciences, GPA: 3.6 *Denton, Texas*

Lovely Professional University, Jalandhar *Jul. 2016 { Aug. 2020*
Bachelor of Technology *Punjab, India*