

# MANJUR KANEKAL

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Dallas, Texas

## 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 flow:** 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 work flows** 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

*Master of Science in Computer and Information Sciences, GPA: 3.6*

*Jan. 2023 { Dec. 2024*

*Denton, Texas*

### Lovely Professional University, Jalandhar

*Bachelor of Technology*

*Jul. 2016 { Aug. 2020*

*Punjab, India*