

# TEJA CHENNAPRAGADA

Full Stack Developer

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## SUMMARY

**Full Stack Developer** with over **3 years** of experience designing and delivering scalable web applications, primarily in healthcare and enterprise environments. Skilled in crafting intuitive and responsive front-end experiences with **React.js** and **TypeScript**, alongside building robust backend services using **Java** and **Spring Boot**. Proven ability to optimize **API integrations**, improving data flow and application performance. Experienced in applying modern development practices including **CI/CD pipelines**, unit testing, and collaborative Agile workflows. Master's degree in Information Technology.

## SKILLS

- **Programming Languages:** Java (JDK 8/11), TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3
- **Frontend Development:** React.js, Redux, Redux Toolkit, Redux Thunk, Redux Saga, React Context API, React Router v6, React Hooks, Material UI, Bootstrap, Ant Design, Styled Components, Webpack, Vite
- **Backend Development:** Spring Boot, Spring MVC, Spring Data JPA, Spring AOP, Spring Cloud, Node.js, RESTful APIs, Swagger (OpenAPI)
- **Security & Authentication:** Spring Security, JWT Authentication, Role-Based Access Control
- **Databases & Storage:** PostgreSQL, MySQL, SQL Server, H2
- **Cloud & DevOps:** Microsoft Azure, AWS, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD Pipelines, Maven
- **Testing & Debugging:** JUnit, Mockito, Jest, React Testing Library, Postman, Talend API Tester
- **Tools & Platforms:** Git, GitHub, Visual Studio Code, Eclipse, JIRA, Figma, Power BI

## EXPERIENCE

### Software Developer Intern, Scube Innovations

*February 2025 – Present*

- Contributed to the development of a **customer onboarding** and **analytics dashboard** for a **B2B SaaS platform**, enabling admin users to track onboarding progress and visualize user behavior metrics.
- Designed and implemented responsive front-end interfaces using **React.js** and **TypeScript**, ensuring accessibility compliance and cross-device compatibility.
- Developed and consumed secure **RESTful APIs** using **Java** and **Spring Boot**, facilitating CRUD operations for customer profiles, user activity logs, and analytics data.
- Used **React Hooks** such as `useState`, `useEffect`, and `useContext` to manage local and shared state, and implemented dynamic routing with **React Router v6** for modular screen navigation.
- Utilized **Redux Toolkit** to structure and manage application-wide state, enabling scalable and predictable data flow with reduced boilerplate in complex React applications.
- Integrated middleware solutions like **Redux Thunk** and **Redux Saga** to handle asynchronous workflows, API side effects, and background tasks, improving responsiveness and reliability of data handling.
- Employed React **Context API** to manage shared state such as authentication, user preferences, and UI themes in modular applications, minimizing prop drilling and improving code maintainability.
- Created custom reusable components using **Material UI** and integrated form validation using **Formik** and **Yup**, improving consistency and reducing code duplication.
- Supported deployment of backend services and frontend builds using **Microsoft Azure**, leveraging tools like **App Service**, **AKS**, **Blob Storage**, and **Azure Database** to enable secure, scalable cloud infrastructure.
- Collaborate with DevOps teams to implement containerization and orchestration strategies using **Docker** and **Kubernetes/ECS** for scalable and resilient application deployments.
- Support **CI/CD pipelines** using tools like **Jenkins** and **GitHub Actions** to automate build, test, and deployment processes for faster and reliable software delivery.
- Manage and optimize relational databases like **MySQL** and **PostgreSQL**, writing efficient queries and ensuring data integrity for application workflows.
- Collaborated with senior engineers to optimize backend services with **Spring Data JPA**, implementing pagination and query filters for efficient data retrieval from a PostgreSQL database.

**Environment:** React.js, TypeScript, Java, Spring Boot, Spring Data JPA, REST APIs, PostgreSQL, MySQL, Redux Toolkit, Redux Thunk, Redux Saga, React Context API, React Router v6, Material UI, Formik, Yup, Docker, Kubernetes, Microsoft Azure, Jenkins, GitHub Actions.

## Software developer Intern, SS&C health care

February 2024 – December 2024

- Supported the development of responsive UI components using **React.js** and **Redux** for a healthcare claim processing platform, ensuring seamless navigation, and rendering in complex user scenarios.
- Assisted in **API integration** efforts by working with **Spring Boot** backend services, debugging request/response mismatches, and helping resolve data sync issues between client and server.
- Improved form submission accuracy by optimizing client-side validation using **Formik** and **React.js**, reducing user errors and minimizing rejected healthcare claims.
- Built **responsive web interfaces** for healthcare claim viewing, filtering, and submission, ensuring smooth functionality across devices and browsers.
- Tested **30+ API endpoints** using Postman and Talend API Tester, documenting edge cases, failures, and inconsistencies in backend behavior.
- Strengthened application reliability by writing unit tests for **50+** UI components using **Jest** and **React Testing Library**, contributing to increased test coverage and reduced regression issues.
- As the most junior member on the team, fixed integration issues impacting **API performance**, resulting in faster data retrieval for healthcare claims and zero data loss incidents.
- Integrated **JWT-based authentication** and role-based access control, enhancing the application's security model and enabling differentiated user privileges.
- Assist in deploying and managing cloud infrastructure on **AWS**, leveraging services such as **EC2**, **S3**, **Lambda**, and **RDS** for application hosting, storage, and serverless computing.

**Environment:** React.js, Redux, Formik, Jest, React Testing Library, Spring Boot, Java 11, REST APIs, JWT, AWS, Postman, Talend API Tester, HTML5, CSS3, Chrome DevTools.

## Software Engineer, Cognizant

October 2021– July 2023

- Developed dynamic and reusable front-end components using **React.js**, **TypeScript**, and **JavaScript**, improving maintainability and consistency across form-driven modules like onboarding and asset requests.
- Implemented route-based component visibility and state management using **React Router** and **Redux**, controlling screen flow and page access based on session state stored in the frontend.
- Constructed RESTful APIs and web applications with **Java**, **Spring Boot** and **Node.js**, applying **SOLID principles** and Swagger documentation for standardization.
- Applied **Webpack** and **Vite** to build optimized JavaScript and TypeScript bundles, enhancing load performance and maintaining separate build profiles.
- Integrated CI/CD pipelines through **Jenkins**, **Git** and **Maven**, ensuring automated builds, test execution and rollback mechanisms in case of failed deployments.
- Simulated deployments using **AWS EC2** and **S3**, and configured **GitHub Actions** for automated builds, tests, and deployment checks.
- Developed **SQL queries**, views, and stored procedures to support custom reporting and analytics requirements from business stakeholders.
- Worked closely with UI/UX teams using **Figma** and Chrome DevTools to fine-tune component behavior and ensure adherence to accessibility and responsive design guidelines
- Designed a comprehensive **Git workflow** that included automated testing and continuous integration, reducing merge conflicts by 25% and improving team velocity by approximately 10%.

**Environment:** React.js, TypeScript, JavaScript, Java 11, Spring Boot, Node.js, REST APIs, Webpack, Vite, Jenkins, Git, Maven, AWS (EC2, S3), GitHub Actions, SQL Server, Figma, Chrome DevTools.

## EDUCATION

University of Cincinnati, Cincinnati, Ohio.  
*Master of Science: Information Technology (IT)*

August 2023- December 2024

GMR Institute of Technology, Rajam, India  
*Bachelor of Technology: Electronics and Electronics Engineering (EEE)*

August 2017–August 2021

## CERTIFICATIONS

- [AWS Certified Developer – Associate, Amazon Web Services \(AWS\)](#) July 2025
- [Software Engineering Job Simulation, JPMorgan Chase & Co \(Forage\)](#) June 2025