

**Sai Teja Rayapudi**

**Java Full Stack Developer**

**(502)444-5660**♦[saitejarayapudi939@gmail.com](mailto:saitejarayapudi200@gmail.com)♦[LinkedIn](https://www.linkedin.com/in/sai-teja-rayapudi/)♦**Cincinnati,OH**

# Professional Summary

Proactive and detail-oriented Java Full Stack Developer with **6+** years of experience in creating and developing scalable web and cloud applications. Expertise in front-end frameworks like React.js (v15–v18), Angular.js (v8–16), Redux, JavaScript (ES6+), TypeScript, HTML5, Tailwind CSS, GraphQL Bootstrap and jQuery. Strong backend skills in Java (8–17), Spring Boot, Spring MVC, Microservices, REST APIs, Hibernate, and JPA. Experienced in AWS and Azure cloud services, Docker, Kubernetes, and building CI/CD pipelines with Jenkins and GitLab. Experience with OAuth2, JWT, and strengthen API development following best practices. Proficient in working with relational and NoSQL databases including Oracle, PostgreSQL, MySQL, and MongoDB. Dedicated Agile/Scrum team collaborator focused on delivering high-quality, maintainable, and user-centric solutions.

# Technical Skills

* **Programming Languages:** Java (8-17), J2EE, SQL, PL/SQL, C/C++/C#, Python, Golang
* **Web Technologies / Scripting Languages:** React.js(v15–v18), Angular.js (v8–16), JavaScript (ES6+), TypeScript, Node JS, JSON, HTML5, CSS3, SCSS, Tailwind CSS, XML, Bootstrap, jQuery, GraphQL, JSP, AJAX
* **Java Frameworks:** Spring Boot, Spring MVC, Spring Security, Elastic Search, Spring Data JPA, Spring JDBC, Log4J, RESTful APIs, Microservices, Hibernate, Apache Camel
* **Databases:** MySQL, Oracle, PostgreSQL, MongoDB, DynamoDB
* **Cloud & DevOps Tools:** AWS, S3, Azure, Docker, Kubernetes, Jenkins, Git, GitLab, Maven, Gradle, Terraform, GCP
* **Testing Tools:** JUnit, Mockito, Jest, Spock, Postman, Swagger, Jasmine, Karma
* **Development Tools & Others:** IntelliJ IDEA, Eclipse, Visual Studio Code, JIRA, Agile/Scrum, SDLC, Bitbucket
* **Version Control &CI/CD:** Git, GitHub, GitLab, CI/CD Pipeline, Jenkins
* **Web Server:** Apache Tomcat
* **Operating System:** Mac OS, Windows, Linux

# Work History

## Java Full Stack Developer | Cigna Healthcare | Phoenix, Arizona Dec 2024 – Present Responsibilities: -

* Designed and delivered scalable, high-performance healthcare web applications for Cigna using **React.js, Redux**

**Toolkit**, **JavaScript (ES6+),** and **React Hooks**, enhancing electronic health records (EHR) interfaces and boosting front-end maintainability, code reusability, and rendering speed by **30%**.

* Established **RESTful APIs** leveraging **Spring Boot** to manage healthcare workflows including patient onboarding, lab results processing, and insurance claims.
* Executed user authentication and authorization leveraging **Spring Security, OAuth2**, and **JWT**, ensuring **HIPAA**

compliance by protecting sensitive patients and clinical data.

* Utilized AWS services such as **RDS, Lambda**, and **API Gateway** to manage scalable back-end services, procure file storage, and efficient serverless execution of background tasks (e.g., batch lab report generation).
* Contributed to infrastructure automation by assisting in **Terraform** script enhancements used for provisioning **EC2**, **S3**, and **IAM** policies in Cigna's cloud deployments.
* Designed responsive and accessible front-end interfaces at Cigna by implementing **Tailwind CSS**, streamlining UI development and enforcing design consistency across healthcare modules.
* Applied test-driven development (**TDD**) principles with **JUnit** and **Jest**, writing unit tests ahead of implementation to ensure maintainable, high-quality code and achieve **90%**+ test coverage.
* Incorporated **FHIR (Fast Healthcare Interoperability Resources)** APIs into healthcare systems, enabling seamless data integration with EHR platforms and advancing interoperability to meet regulatory and operational standards.
* Optimized deployment efficiency and system resilience for the Cigna healthcare application by orchestrating containerized microservices through AWS ECS and **Kubernetes**, while refining **CI/CD** pipelines with **Jenkins**, **GitLab CI**, and **Docker** resulting in a **40%** reduction in release cycles.
* Integrated **GraphQL** queries into Cigna’s **React** frontend to enable efficient patient data retrieval, reducing API over-fetching and improving component responsiveness and overall application performance.
* Refined database communication through **JPA/Hibernate** and linked it with **PostgreSQL/MySQL**, ensuring efficient management of medical and billing data.
* Conducted comprehensive front-end testing utilizing Jest and API validation employing **Postman** and **Swagger**, achieving **90%**+ unit and integration test coverage, which improved code reliability and minimized production defects.

**Environment:** Spring Boot, Spring Security, React.js, JavaScript (ES6+), Golang, REST APIs, SOAP, OAuth2, Hibernate, GraphQL, Tailwind CSS, AWS (Lambda, S3, CloudFront), Docker, Kubernetes, Jenkins, GitLab, PostgreSQL/MySQL.

## Java Full Stack Developer | Synchrony | Cincinnati, OH Apr 2024 – Nov 2024 Responsibilities: -

* Developed and deployed static websites and scalable APIs using **Node.js**, AWS **Lambda**, **API Gateway**, **CloudFront**, **DynamoDB**, and **S3**, improving deployment efficiency by **25%** through serverless architecture.
* Architected and deployed **NoSQL** data models leveraging **Apache Cassandra** to enable horizontally scalable, high-availability systems.
* Engineered **Hibernate** based ORM layers for database access and streamlined data retrieval by generating Hibernate Objects for enterprise-grade applications.
* Developed microservices in **Go** for transaction validation and logging in Synchrony’s internal POC, leveraging **Go** routines and lightweight concurrency to benchmark against **Java**-based alternatives.
* Used **Datadog** dashboards in Synchrony to monitor API latency, resource utilization, and real-time system health metrics during peak usage and deployed real-time server-side event streaming pipelines with **Apache Kafka**, boosting system observability and facilitating event driven architecture.
* Built and optimized secure **RESTful** and **SOAP-based APIs** leveraging **Java 8, Spring Boot, Spring MVC, Jersey, and JAX-WS**, driving system interoperability and improving the modularity of distributed services.
* Supported deployment of containerized microservices on **Google Cloud Platform (GCP)** using Cloud Run and **GKE** during infrastructure scaling initiatives for Synchrony’s financial transaction modules.
* Developed dynamic, component-driven SPAs using **Angular, TypeScript, RxJS**, and SCSS to deliver responsive user experiences across Synchrony’s customer-facing financial modules.
* Revamped outdated front-end systems by updating **AngularJS** applications and adopting modern styling frameworks like **SCSS, Bootstrap**, and Foundation, enhancing UI consistency and cutting cross-browser issues by **20%**.
* Crafted responsive, accessible front-end modules for Synchrony’s financial platforms with **TypeScript** and **JavaScript (ES6+),** leveraging functional components to improve maintainability and ensure **WCAG**-compliant experiences across browsers.
* Partnered with **DevOps** teams at Synchrony to provision consistent, cloud-native infrastructure through **Terraform**, streamlining deployment workflows and boosting platform stability.
* Engineered and maintained **CI/CD** pipelines via **Jenkins** and **GitLab CI**, automating end-to-end build, test, and deployment processes to accelerate delivery and reduce manual overhead.
* Streamlined application performance and database maintainability by leveraging **Java 8/17** features such as **Streams API**, static/default methods, and concurrency utilities for non-blocking operations, while configuring **Spring ORM** with **Hibernate, AOP**, and **JDBC** for modular data access.

**Environment**: Java 8/17, Spring Boot, Spring MVC, Angular.js, Node.js, Golang JavaScript, TypeScript, REST APIs, SOAP, Hibernate, AWS (Lambda, S3, CloudFront, DynamoDB), GCP, Apache Kafka, Apache Cassandra, Kubernetes, Datadog, Jenkins, GitLab, SCSS, Bootstrap, NoSQL.

## Java Full Stack Developer | Cognizant Technology Solutions | Hyderabad, India Aug 2021 – Dec 2023 Responsibilities: -

* Developed and maintained responsive user interfaces for the **Qualcomm-AWARE IoT** platform using **React.js (v16-v18), React Hooks, and functional components**, improving user interaction and performance, leading to positive client feedback for exceptional results.
* Integrated **RESTful** **APIs** to facilitate seamless data exchange between front-end and back-end, leveraging **Redux** and **Context** **API** to enhance state management and ensure application scalability.
* Enhanced platform performance by **40%** and reduced page load times by 30% by optimizing React components, implementing code splitting, and utilizing **React. Memo** to ensure efficient rendering and better user experience.
* Authored and maintained **REST API** documentation with **Swagger/OpenAPI**, boosting cross-team collaboration, expediting developer onboarding, and minimizing integration issues between front-end and back-end systems.
* Implemented secure authentication and authorization mechanisms with **Spring Security, JWT,** and **OAuth2.0,** and enforced Role-Based Access Control (**RBAC**) to safeguard sensitive resources based on user roles.
* Collaborated with cross-functional teams (designers, back-end developers, product managers) to design, develop, and deploy new AWS features, utilizing **React Router** for seamless navigation and client-side routing.
* Enhanced UI experience and ensured cross-browser compatibility by utilizing **jQuery, JavaScript (ES6+), HTML5, CSS3**, **Bootstrap** and collaborated with **ETL** teams to develop source-to-target data mapping spreadsheets following data modeling and naming standards.
* Designed and built scalable microservices architectures with **Spring Boot**, implementing Coherence caching strategies to boost application performance and minimize response times in distributed systems.
* Generated **XML** data exports and schema mappings as part of legacy system modernization efforts in Cognizant **IoT** projects.
* Performed **JUnit** for unit testing and **Jest** for front-end testing, resulting in over **97%** code coverage and reduced QA cycles during release.
* Integrated **WebSocket’s** for real-time updates in a chat application, significantly improving user engagement and responsiveness within the platform.
* Participated in the full **SDLC** at Cognizant, from requirement analysis and design to development, testing, and deployment of React-Spring Boot microservices for the Qualcomm IoT platform.

**Environment:** React.js (v16–v18), Redux, Context API, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Spring Boot, Spring Security, OAuth2, JWT, REST APIs, Swagger/OpenAPI, AWS (EC2, S3), CI/CD (Jenkins, GitLab), JUnit, Jest, SDLC, WebSocket’s, Postman, GitHub.

## Java Developer | Kotak Mahindra Bank | Chennai, India Jun 2018 – Jul 2021 Responsibilities:

* Designed and developed the **DAO** layer following **Hibernate** best practices to enable efficient access and management of financial data stored in **IBM DB2** databases.
* Refactored legacy monolithic applications into modular microservices architecture with **Spring Boot** and **REST APIs**, enhancing scalability and reducing service downtime by **30%**.
* Built and scheduled batch processing jobs with **Autosys**, utilizing **SQL Invoker**, **UNIX Shell Scripting**, and **Core Java** to automate critical banking operations such as loan processing and account reconciliations.
* Maintained and enhanced legacy banking modules with **JSP** and **Servlets** to support customer dashboards and loan processing workflows, ensuring smooth session handling, data flow, and **Oracle DB** compatibility.
* Spearheaded a multi-rack **Apache Cassandra** cluster set up to ensure high availability, fault tolerance, and horizontal scalability for banking data systems, while streamlining **REST API** configurations through lightweight **WADL** specifications for clearer service documentation.
* Built a secure integration framework to consume **RESTful** and **SOAP APIs** hosted on Amazon **EC2**, streamlining service interactions in cloud environments. Improved communication flow and boosted reliability by **25%** across cloud-hosted services.
* Facilitated asynchronous messaging in core banking systems by embedding **ActiveMQ** with **Spring Boot** and **JMS**, ensuring reliable data exchange between **J2EE** components and legacy systems for improved workflow efficiency.
* Developed dynamic, responsive single-page applications (**SPAs**) with **Angular.js, HTML5, CSS3**, and **JavaScript**, improving user experience and supporting real-time interactions on banking dashboards.
* Programmed and optimized **PL/SQL** stored procedures for financial reconciliation systems at Kotak Mahindra Bank, enhancing performance and data accuracy across transaction modules.

**Environment:** Angular.js, JavaScript (ES6+), HTML5, CSS3, Spring Boot, Hibernate, Apache Cassandra, IBM DB2, AWS EC2, Autosys, Core Java, J2EE, JMS (ActiveMQ), JSP, REST APIs, SOAP, PL/SQL, JUnit, Swagger, UNIX Shell Scripting.

# Education

* Master of Science in Information Technology from University of Cincinnati, OH, USA