Full Stack Developer

+91 8760087394   **rajappan932000@gmail.com**

Professional Summary

Name:	Rajappan Sellamuthu
Location:	Namakkal, Tamil Nadu - 636451

Project/Experience Summary:

- Professional and enthusiastic Software Development Engineer with **3 years and 8 months** of experience in developing innovative solutions for clients in the software industries, including **Ecommerce, Learning and Retail platform**.
- Experienced in developing user interface using **Frontend technologies** such as **HTML5, CSS3, JavaScript, ReactJS, Bootstrap, Tailwind CSS and Redux.**
- Experienced with server-side development using **Apache Kafka, JPA, and Spring Boot**, ensuring scalable and efficient backend operations.
- Developing web applications using **Java 8** features like **Streams, Lambda Expressions**, **Optional**, and **Date/Time API**.
- Expertise in Core Java Concepts like **OOPs, Garbage Collector, Collections, Exception Handling, Stream API, Synchronization, Serialization and De-serialization.**
- Strong experience in Spring boot Framework modules such as **Spring MVC**, IOC, AOP, JDBC, JTA, IO, **Boot, Microservices, Spring REST and Spring Data JPA.**
- Skilled in robust background software development, I've navigated various **SDLC** methodologies including **Agile (Scrum), Test-Driven Development (TDD), and Waterfall Models**.
- Applied **SOLID principles** and design patterns like **Singleton and Factory** to build clean, maintainable, and scalable software architectures.
- I've worked extensively with databases, including **relational databases** like **SQL and ORACLE**, as well as **NoSQL databases** such as **DynamoDB.**
- Proficient in **GIT and GitHub**, ensuring streamlined code management and team collaboration.
- Familiar with IDEs like **Visual Studio Code** and **IntelliJ,** and project tracking with JIRA for effective workflow and issue tracking.
- Experience in core **AWS services** like **S3, EC2, Relational Database Services** etc., and deployment services like **Aws EC2 Instance**
- When it comes to challenges, I see them as opportunities to **learn and grow**. I enjoy tackling complex problems and finding elegant solutions that add value to the end users

Primary Skill Set/Technology	Years worked w/skill set	Last year worked w/skill set
Java	3 years	2024
Spring Boot and Spring Cloud	2.5years	2024
AWS	2 years	2024
React Js, Redux	3.6 years	2024

TECHNICAL SKILLS:	
Programming Languages	Java 17.0/11.0/8.0, Javascript(ES6),
Application/Web Servers	WebSphere, Jenkins, Tomcat 8, IBM WebSphere

Frameworks	Spring, Hibernate, Log4J,
IDEs	Eclipse, IntelliJ, NetBeans, Spring Tool Suite (STS)
Web technologies	JavaScript, jQuery, XML, HTML 5, CSS3 Tailwind CSS, NodeJS, React, Bootstrap
Methodologies	Agile, Scrum, TDD(Test-Driven-Development), SDLC
Testing Tools	JUnit, JIRA, Cypress, Postman
Database Servers	Oracle 11g, SQL server 2016,
NoSQL Databases	Dynamo DB
Build Tools	Maven
Version Control	GitHub, GIT
Messaging queues	Apache kafka
Webservices	Soap, axios, REST API, Microservices, Webservices

PROFESSIONAL EXPERIENCE:

Client: Playercoach – Yaazhtech Software Solutions   **Nov 2023 – Till Date**
Full Stack developer

Description: Player Coach is a dynamic online learning platform designed to offer a wide variety of educational courses spanning across business, technology, personal development, arts, and more. The platform provides students with self-paced learning and lifetime access to course materials. Courses are curated and taught by **industry experts, covering video lectures, quizzes, assignments, and interactive elements.** Upon completion of each course, students are awarded certificates**.**

Responsibilities:
- Experienced in Software Development Life Cycle with **JIRA** following **Agile methodology**.
- Experienced in using Java 8 features like static and default methods in interface and Stream APIs.
- Expertise in developing custom applications using React.js, **HTML5, CSS3**, and JavaScript.
- Proficient in using **React JS** to create views to hook up models to the **DOM** and synchronize data with a server as a **Single Page Application**.
- Experienced in developing custom hooks and components using **React JS** framework. And good understanding of the component life cycle and design patterns used in React.js.
- Used **Microservice architecture** with **Spring Boot**-based services interacting through a combination of **REST** and **Apache Kafka message brokers**.
- Used **Apache Tomcat** as a web server and **WebLogic** as an application server to deploy various components of an application.
- Developed an **interactive cart system** using **React.js** and **Redux**, enabling users to add, remove, and manage courses before enrolment, with real-time data synchronization between the frontend and backend.
- Built a **wishlist feature** to allow users to save courses for future consideration, utilizing **Redux** for state management and **AWS Cognito** for secure, persistent data storage across sessions and devices.
- Designed and implemented **dynamic course pages** that display course details (instructor info, pricing, curriculum, reviews), with data fetched from **Spring Boot** RESTful APIs and served to users via **Next.js** for server-side rendering.
- Developed an **Instructor Management System**, enabling instructors to upload, manage, and track their courses through a dedicated dashboard built with **React.js**, and integrated backend APIs with **Spring Boot** for CRUD operations.
- Created a **real-time notification system** using **Apache Kafka** to alert users about course enrolments, updates, and promotional offers, ensuring instant delivery of notifications.
- Integrated **OAuth2** and **Spring Security** to secure user authentication and authorization for both learners and instructors, ensuring privacy and data integrity.
- Utilized **DynamoDB** for efficient and scalable storage of user data, course details, and wishlist information, optimizing for high availability and fast data retrieval.

- Employed **Spring Boot** microservices for backend development, ensuring a modular, scalable architecture capable of handling growing user traffic and data requests.
- Ensured **responsive design** using **Tailwind CSS**, providing a seamless user experience across all devices and screen sizes.
- Worked within an **Agile methodology** using **JIRA** to track tasks and deliverables, collaborating closely with cross-functional teams to meet project deadlines.
- Used **AWS EC2** for hosting the platform and **Apache Kafka** for efficient data streaming, ensuring that the platform could scale to handle large numbers of users and real-time interactions.

Technical Skills Used:
- **Frontend:** React.js, Redux, Next.js, Tailwind CSS, JavaScript (ES6+)
- **Backend:** Spring Boot, Java 8, REST APIs, Spring Security, OAuth2, Spring Data JPA, DynamoDB
- **Real-time Communication:** Apache Kafka
- **Database Management:** DynamoDB, Hibernate
- **Authentication & Authorization:** AWS Cognito, OAuth2, JWT
- **Other Tools:** Docker, JIRA, Microservices Architecture, AWS

Client: Williams Sonoma Inc– Yaazhtech Software Solutions   **April 2022 - Oct 2022**
Junior Software Developer

Description: The main project is focused on **enhancing the e-commerce experience** for **Williams-Sonoma, Inc.** through the development and optimization of their **online retail platforms**. The project aims to improve the **customer journey**, streamline **inventory management**, and ensure a **seamless integration** between different brands under the Williams-Sonoma umbrella, such as **Williams Sonoma**, **Pottery Barn**, **West Elm**, and **Rejuvenation**. The primary goal is to provide an intuitive, user-friendly, and high-performance digital experience for customers shopping across various product categories like **kitchenware**, **furniture**, and **home furnishings**.

Responsibilities:
- Involved in the design, development and testing phases of Software Development using scaled **Agile** methodology with **Test Driven Development** (TDD).
- Enhance the e-commerce experience for **Williams-Sonoma, Inc.** by improving the online platforms for brands like **Williams Sonoma**, **Pottery Barn**, **West Elm**, and **Rejuvenation**.
- Focus on improving the **customer journey**, **inventory management**, and ensuring seamless integration between brands.
- **Frontend development** with **React.js** and **Next.js** for a dynamic and responsive user experience, particularly focusing on **cart** and **wishlist** functionalities.
- **Backend development** with **Spring Boot** microservices to handle product management, inventory updates, and user session management via **REST APIs**.
- Seamless integration with **AWS Cognito** for secure user authentication and third-party payment gateways for smooth transactions.
- Rigorous **performance optimization** and **load testing** to ensure scalability and handle high traffic volumes.
- Mobile optimization to deliver a consistent experience across **desktop** and **mobile** devices using responsive design.
- **Real-time data syncing** with **Apache Kafka** for instant order status updates, inventory changes, and personalized notifications.
- The improvements are designed to **increase conversion rates**, enhance **customer satisfaction**, and drive **brand loyalty**.
- The integration of all the platforms under Williams-Sonoma's umbrella will ensure a **unified shopping experience**, leading to increased sales and user engagement.
- Strengthen the **backend infrastructure** for enhanced **scalability**, **data security**, and overall **reliability** as the customer base grows.

Technical Skills Used:
- **Frontend:** React.js, Redux, Next.js, Tailwind CSS, JavaScript (ES6+)
- **Backend:** Spring Boot, Java 8, REST APIs, Spring Security, OAuth2, Spring Data JPA, DynamoDB
- **Real-time Communication:** Apache Kafka
- **Database Management:** DynamoDB, Hibernate
- **Authentication & Authorization:** AWS Cognito, OAuth2, JWT
- **Cloud Services:** AWS EC2, S3, Lambda, RDS
- **DevOps Tools:** Docker, Jenkins, CI/CD, Kubernetes
- **Version Control:** Git, GitHub/GitLab
- **Web Server & Proxy:** Nginx
- **Project Management & Collaboration:** JIRA, Agile Methodology
- **Microservices Architecture:** Spring Boot Microservices, RESTful APIs

Client: JB HUNT – Yaazhtech Software Solutions   **May 2016 – May 2019**
Senior Java Developer

Description: Yaazhtech Learning Platform is an innovative, online learning platform designed to provide high-quality training content in various domains, such as business, technology, personal development, and creative skills. It caters to learners seeking to enhance their knowledge and skills through interactive, self-paced courses developed by industry experts. The platform aims to offer an engaging and seamless experience for both students and instructors.

Responsibilities:
- Involved in **Agile** methods break tasks into small increments with minimal planning, and do not directly involve long-term planning and daily stand-ups, updating tasks.
- Used **Java** concepts such as Multithreading, Exception Handling, Collections to implement various features and enhancements.
- Upgraded existing UI with **HTML5** and **Tailwind CSS** with **React Js** interaction.
- Created Single Page Application with loading multiple views using route services and adding more user experience to make it more dynamic by using **React Js** framework**.**
- Refactored existing monolithic application to Microservices architecture, with Spring Boot-based services interacting through a combination of **REST**.
- Designed and developed a careers page using Java and Spring Boot, incorporating RESTful APIs to list job openings with detailed descriptions and application options.
- Developed microservice-based timesheet functionalities for accurate work hour logging and document management systems, ensuring efficient handling of crucial files.
- Implemented tools to manage and update employee skill sets, enhancing team productivity and resource allocation through a microservices architecture.
- Integrated Kanban boards for task assignment and tracking, optimizing workflow efficiency across teams, utilizing Spring Boot, and event-driven microservices for seamless collaboration.
- Utilized Java, Spring Boot, React, and Tailwind CSS for seamless integration and authentication handling via REST endpoints.
- Developed a GET endpoint API using Spring Boot for viewing profile content, fetching data from the user interface via REST services.
- Customized APIs to ensure valid inputs, secure authentication, and improve user experience, leveraging Spring Security and validation frameworks.

Technical Skills Used:
- **Frontend:** React.js, Redux, Next.js, Tailwind CSS, JavaScript (ES6+)
- **Backend:** Spring Boot, Java 8, REST APIs, DynamoDB
- **Real-time Communication:** Apache Kafka
- **Database Management:** DynamoDB, Hibernate
- **DevOps Tools:** Docker, Jenkins, CI/CD, Kubernetes
- **Version Control:** Git, GitHub/GitLab

Education Details:

- Department of Electronics and Communication Engineering**.**
- Sri Shanmugha College of Engineering and Technology, Salem, Tamil Nadu**, JUNE 2021**

Certifications:

- Successfully completed React JS advanced certification at Yaazhtech.
- Certified Product Life Cycle Management is a great learning platform.
- Certified Basic Electronics in ICT academy IIT Kanpur.

Awards and Accomplishments:

- Attended a Workshop on "Rase perry PI in national Technical Workshop".
- I got proficiency and cleaning environment social activity to provide NSS certificate