Yerragorla Ganesh Yadav

EMAIL: YGSYNR@GMAIL.COM

MOBILE No: +91-9676551506

SUMMARY

- Versatile and results-oriented **Full Stack Engineer** with **6 years of experience** in designing, developing, and deploying scalable web applications using **Java, Spring Boot, Microservices, Hibernate**, **SQL** and **AWS** on the backend, coupled with **React JS, JavaScript, and Tailwind CSS** on the frontend.

- Proficient in building **end-to-end microservices architectures**, RESTful APIs, and responsive UI interfaces that deliver seamless user experiences and high performance. Adept at integrating **cloud-native services on AWS**, including Lambda, S3, and RDS, to enable modern, event-driven solutions.

- Skilled in **frontend development using React JS**, implementing component-based design, state management (Redux/Context API), and styling with Tailwind CSS for clean, responsive interfaces. Experience in implementing **role-based security** and authentication flows using **Spring Security**.

- Strong background in **relational databases (MySQL)** with optimized query writing using Hibernate/JPA, and hands-on experience with **unit testing (JUnit)** and **DevOps tools** such as Maven, Git, and CI/CD pipelines (e.g., Bamboo, GitHub Actions).

- A collaborative team player with a passion for clean code, agile methodologies, and continuous learning—delivering robust, maintainable, and business-aligned full stack solutions across diverse domains.

- Extensive experience in **data access layer implementation** using **Spring Data JPA and Hibernate**, following **Test-Driven Development (TDD)** principles with **JUnit**. Adept at securing applications with **Spring Security**, and enhancing observability with **Splunk** and **log4j**.

- Skilled in using modern DevOps tools such as **Maven, Bamboo, GitHub/Bitbucket**, and working collaboratively through **JIRA** and **Confluence**. Demonstrated success in Agile teams, contributing to clean, maintainable, and production-ready code.

SKILLS

- Languages : Java, JavaScript

- Java Frameworks : Spring Boot, Spring MVC, Spring Security, Spring JPA, Spring Data.

- MicroServices Architecture.

- ORM : Hibernate/JPA.

- Messaging : Kafka.

- Web Technologies : HTML, CSS.

- Frontend Frameworks : React JS.

- Database : SQL, Oracle, MySQL

- Tools : Maven, GIT, JIRA, Confluence, Eclipse/STS/IntelliJ

- Others : REST API's, GraphQL, Web services based and Hasura

- Testing: Junit, Mockito, Sonar, Postman

- Cloud Technologies: AWS (IAM, EC2, S3, Lambda, Elastic beanstalk, ECS, Fargate, RDS, S3, SQS, Glue, and Redshift).

- Operating System and Servers: Windows, Mac OS, Tomcat.

WORK EXPERIENCE

Feb-2024 - Present Java Full stack engineer:

PROJECT EXPERIENCE

Organization: Quantum tech works

Customer: Capital Group (**Dec 2024 - Present**)

Skills: Java, Spring boot, Microservices, Hibernate, SQL, Kafka, HTML, CSS, JavaScript, React JS.

Project: Capital Group is a leading global investment management firm specializing in active portfolio management. It partners with individual and institutional investors to deliver long-term value through mutual funds, ETFs, and fixed income strategies, supported by deep fundamental research, disciplined investment processes, and a global presence across major financial markets.

Project Role:

Tasks performed:

- Designed and implemented RESTful APIs for portfolio tracking, investor onboarding, and transaction history retrieval using Spring Boot.

- Built dynamic frontend interfaces with React JS and Tailwind CSS for investor dashboards and reporting tools.

- Integrated Kafka messaging for real-time updates of portfolio performance and trade data across distributed services.

- Developed role-based access control and secure authentication flows using Spring Security.

- Created reusable UI components for displaying investment performance metrics, fund comparisons, and historical trends.

- Optimized backend services for high-volume queries using Hibernate and native SQL for financial reporting modules.

- Utilized AWS services like Lambda, RDS, and S3 for scalable, cloud-native architecture.

- Collaborated closely with Capital Group's product and data teams to ensure data consistency, regulatory compliance, and system reliability.

- Contributed to unit testing and code reviews, ensuring robust and maintainable codebase across multiple sprints.

PROJECT EXPERIENCE

Organization: Quantum tech works

Customer: Verra Mobility (**Feb 2024 - Dec 2024**)

Skills: Java, Spring boot, Microservices, Hibernate, SQL, Kafka, HTML, CSS, JavaScript, React JS.

Project: Verra Mobility is a global smart mobility company focused on traffic safety, tolling, and enforcement solutions. It partners with governments and fleets to deploy technologies like speed cameras and violation processing, improving road safety, streamlining toll operations, and enabling efficient mobility management across cities and commercial transportation networks.

Project Role:

Tasks performed:

- Developed user authentication and login functionalities.

- Implemented features to capture and display violation locations and images from traffic Developed secure and scalable user authentication and session management using Spring Security.

- Designed and implemented RESTful APIs for managing traffic violation data with Spring Boot and Microservices.

- Integrated AWS Lambda and S3 for automated processing and storage of camera-captured violation images.

- Built interactive and responsive frontend pages using React JS, Tailwind CSS, and Redux for state management.

- Implemented real-time data processing using Kafka to stream traffic violation alerts from edge devices.

- Created intuitive UI components to display violation hotspots on interactive maps, integrating location APIs.

- Wrote and optimized complex SQL and HQL queries for dynamic filtering and reporting of violation records.

- Conducted unit and integration testing using JUnit and Mockito to ensure high code reliability and maintainability.

- Collaborated with DevOps to enable CI/CD pipelines for faster deployment using GitHub Actions and AWS CodePipeline.

- Played a key role in code reviews, documentation, and agile sprint planning, ensuring cross-team alignment.

- I have implemented Kafka as a messaging queue to communicate between producer and consumer.

- Based on the artifacts, implemented high- and low-level design architecture representing the artifacts into a business use case.

- Ensured code development in an optimized manner and reusable.

- Implemented a POC for application development to analyze and identify the technical competencies and challenges and prepared a plan for further development.

PROJECT EXPERIENCE

Organization: Trukker

Customer: Moxey (July-2023 - Feb-2024)

Skills: Java, Spring boot, Microservices, Hibernate, SQL, Kafka, HTML, CSS, JavaScript, React JS.

Project: Moxey is a Fintech based organization, which is based out of UAE. Moxey mainly focused on issuing Moxey cards to the truck drivers, which is helpful in buying essentials like tires, fuels, spare parts to trucks, if drivers use these cards, they will get some discounts. Moxey also has tied up with some merchants for selling products to drivers, if drivers use Moxey cards to buy anything within these merchants then only they will get discounts.

Project Role:

Tasks performed:

- I have developed an amazon-like web portal for Transporter where he can place orders for truck essentials like tires, fuel, spare parts etc. He can also place orders on behalf of drivers under him by using Microservices architecture and REST API with framework Spring boot.
- I have implemented Kafka as a messaging queue to communicate between producer and consumer.
- Based on the artifacts, implemented high- and low-level design architecture representing the artifacts into a business use case
- Ensured code development in an optimized manner and reusable.
- Integrated frontend technologies, including HTML, CSS, and JavaScript, to create an intuitive and user-friendly interface. This involved crafting visually appealing layouts, ensuring responsiveness across devices, and implementing interactive features to enhance user engagement.
- Employed modern frontend frameworks and libraries to streamline development and improve maintainability. For instance, frameworks like React.js might have been utilized to build dynamic and responsive components, enhancing the overall user experience.
- Conducted Proof of Concept (POC) exercises to validate the feasibility and effectiveness of frontend solutions. This involved prototyping user interfaces, evaluating performance metrics, and gathering feedback to inform design decisions
- Derived a plan in application development to ensure zero defect deliverables.
- Respond to the issues assigned, do analysis, suggest / implement work around, communicate to all the stakeholders and close issues as per the agreed timelines.
- Prepared coding standard and security vulnerability documents to deliver zero vulnerabilities from security vulnerability scanners.
- Planned dev testing template to track every development function, test scenarios to provide defect free development. Ensured test driven development in implementing Junit test cases for an efficient and quality product.
- Assured day-to-day responsibility in tracking and reviewing the team tasks to complete on time to meet the client coding standards using various tools like SONAR LINT.
- Debugging and troubleshooting issues and identifying the best solution for it.

PROJECT EXPERIENCE

Organization: IBM

Customer: Westpac (**Jul 2022-March 2023**)
Skills: Java, Spring boot, Microservices, Hibernate, SQL.

Project: Westpac is consistently ranked as a leading arranger of project finance solutions in Australia. The TM3.6 System drives collections for Westpac credit cards, business credit cards and flexi loans to be replaced by (PCC), facilitating the migration of these products for business continuity, and gradually incorporating additional products to avail of the same functionalities to bring about enhanced change to take the business forward to Fix, Simplify and perform.

Project Role:

Tasks performed:

- Played a key role in requirements elicitation and understanding the customer artifacts in transforming them into an executable project.
- Planned continuous Interaction and co-ordinate with interface system teams and testing teams.
- Based on the artifacts, implemented high- and low-level design architecture representing the artifacts into a business use case
- Ensured code development in an optimized manner and reusable.
- We have used JSON structure and REST API for communication between upstream and downstream API's
- To communicate between upstream and downstream API's we are using Microservice architecture.
- Implemented a POC for application development to analyze and identify the technical competencies and challenges and prepared a plan for further development.
- Derived a plan in application development to ensure zero defect deliverables.
- Respond to the issues assigned, do analysis, suggest / implement work around, communicate to all the stakeholders and close issues as per the agreed timelines.
- Prepared coding standard and security vulnerability documents to deliver zero vulnerabilities from security vulnerability scanners.
- Planned dev testing template to track every development function, test scenarios to provide defect free development. Ensured test driven development in implementing Junit test cases for an efficient and quality product.
- Assured day-to-day responsibility in tracking and reviewing the team tasks to complete on time to meet the client coding standards using various tools like SONAR LINT.
- Debugging and troubleshooting issues and identifying the best solution for it.
- Design and Code Review for the various Deliveries going into a particular release.
- Devops processes using JIRA and confluence.
- Respond to production issues, arrive at a solution with inputs from stakeholders, participate in estimating the effort needed to implement solution, test, and implement the solution IN ORDER TO enable the application availability as per agreed Service Levels.
- Interact with business consultants for requirements handover.
- Perform Unit & Integration testing and record test cases & results.

Aug-2021 – May-2022 – Software Engineer, Orcapod

PROJECT EXPERIENCE

Organization: Infosys

Customer: Verizon (**Aug 2021-May 2022**)
Skills: Skills: Java, Spring boot, Microservices, Hibernate, SQL, Kafka, HTML, CSS, JavaScript, React JS.

Work Management (WM) is a web-based application, this is the application used by Verizon internal resources with the help of user management to process the orders, sites, & quotes issues by the Verizon customers. To track the customer's orders/sites status it's having a predominant process of milestones.
Tasks performed:

- To enhance user experience and streamline workflow visualization, modern frontend technologies such as HTML, CSS, and JavaScript were integrated. These technologies were instrumental in designing an intuitive and interactive user interface, enabling users to navigate through different modules and monitor task statuses effectively.
- Leveraging frontend frameworks like React.js or Angular, dynamic components and data visualizations were developed to provide real-time insights into customer orders and site statuses. This involved creating responsive layouts, interactive charts, and customizable dashboards to empower users with actionable information.
- Throughout the migration process from OSB Services to Microsoft Services, frontend components were meticulously updated and optimized to align with the new backend architecture. This included refactoring existing code, integrating with new APIs, and ensuring seamless interoperability between frontend and backend systems.
- Actively participated in project design discussions and collaborated with cross-functional teams to translate business requirements into technical solutions. This involved contributing to the architectural design of Spring Boot microservices and providing expertise on frontend implementation strategies.
- Played a pivotal role in delivering project milestones within specified timelines, demonstrating a proactive approach to problem-solving and a commitment to excellence. By efficiently managing assigned components and resolving technical challenges, contributed to the successful implementation of new features and enhancements.
- Recognized for exemplary performance and contributions to the project, receiving accolades from management for delivering high-quality solutions that meet or exceed expectations.
- Based on the artifacts, implemented high- and low-level design architecture representing the artifacts into a business use case
- Ensured code development in an optimized manner and reusable.
- Implemented a POC for application development to analyze and identify the technical competencies and challenges and prepared a plan for further development.
- Planned continuous Interaction and co-ordinate with interface system teams and testing teams.
- Based on the artifacts, implemented high- and low-level design architecture representing the artifacts into a business use case.
- Ensured code development in an optimized manner and reusable.
- We have used JSON structure and REST API for communication between upstream and downstream API's

PROJECT EXPERIENCE

Organization: Altisource

Customer: Altisource (**Dec 2019 – Aug 2021**)

Skills: Java, Spring boot, Microservices, Hibernate, SQL, Kafka, HTML, CSS, JavaScript, React JS.

Altisource provides technology and innovative solutions to mortgage servicing and origination clients as well as buyers and sellers of single-family residential real estate. AltiSource delivers a

comprehensive suite of products and services that can meet the unique needs of each client. For running mortgage services, we are using an application called breeze to store and update information of applicants or clients. I am part of this team.

Tasks performed:

- As part of the team responsible for the Breeze application, a crucial tool for running mortgage services, frontend technologies played a vital role in enhancing user experience and streamlining data management processes.
- Collaborated closely with clients to understand their requirements and translate them into actionable features within the Breeze application. By facilitating effective communication and gathering feedback, ensured that the application met the evolving needs of mortgage servicing and origination clients.
- Engaged with the operations team to address live issues and optimize the performance of the Breeze application. By promptly identifying and resolving technical challenges, contributed to the smooth operation of critical mortgage processes and transactions.
- Created comprehensive documentation for the features implemented in the backend, providing clear instructions and insights for users and stakeholders. This documentation served as a valuable resource for training, troubleshooting, and future development efforts.
- Upgraded codebase from Java 8 to higher versions, leveraging the latest language features and enhancements to improve performance and maintainability. This involved refactoring existing code and implementing best practices for Java development.
- Transitioned from XML-based configuration to REST API-based architecture, modernizing the application's backend infrastructure and enhancing interoperability with external systems. This migration improved scalability, flexibility, and integration capabilities, enabling seamless communication between different components of the application.
- Led the transformation from a monolithic application to a microservices architecture, modularizing the application into smaller, independently deployable services. By adopting microservices principles, improved agility, scalability, and resilience, allowing for more efficient management of mortgage processes and transactions.
- Integrated frontend technologies such as HTML, CSS, and JavaScript to develop intuitive and user-friendly interfaces for the Breeze application. By designing responsive layouts, interactive components, and visually appealing UI elements, enhanced usability and accessibility for mortgage servicing and origination clients.

PROJECT EXPERIENCE

Organization: Altisource

Customer: Plaza home mortgage (**Oct 2019-Dec 2019**)

Loan origination is the US mortgage process, which is related to home loans. When US people apply for home loans, we need to process loans based on certain rules and regulations.
Tasks performed:

- Need to verify all necessary documents like 1003, loan estimate, Income documents.

- We need to enter information in web application as per documents

- If any documents are missing we will mail the client for required documents.

- If any document is incorrect or inappropriate, we need to suspend the loan and we need mail to the client for the same.

EDUCATION AND CERTIFICATIONS

College : Narendra degree college,

Course : BBA,

University : SKU,

Academic Year : 2019,