**Hyma Divya Srivalli Medicharla**

Kansas City,MO,United States of America

(913) 214-2779| hymadivyasrivallimedicharla@gmail.com|| https://www.linkedin.com/in/hyma-divya-srivalli/

**SUMMARY**

* Full Stack Developer with 8 years of extensive experience in designing and developing web applications using **React** **JS** for front-end user interface-development and **Java** **Spring Boot** for the back-end services and handling various forms of data in **Relational and NoSQL Databases**.
* Proficient in **Java, Spring , Spring MVC, Spring Boot, Spring AOP, Spring ORM, Spring Security , Spring Data JPA** for building the back-end server.
* Expert in **Node JS, Express Framework**.
* Proficient in allocating the Data base access to the Spring Framework with **Spring Data JPA**
* Skilled in developing and maintaining **RESTful APIs** for efficient data exchange.
* Adept at designing and developing responsive front-end **React functional components.**
* Strong background in implementing CI/CD pipelines for automated build, test, and deployment processes.
* Expert in Handling **Microservices Architecture.**
* Integrated with various third-party APIs using **Postman** for testing and documentation.
* Proficient in enhancing application security through **OAuth2** and **JWT** authentication and authorization.
* Experienced in integrating **Apache Kafka** for distributed streaming and configuring **RabbitMQ** for reliable message brokering, ensuring high-throughput, efficient communication, and data pipelines between microservices
* Deployed cloud-native applications on **AWS**, utilizing services like **EC2**, **S3,IAM and** deployed Relational and NoSQL Databases in **RDS** and **DynamoDB**.
* Experience with services like **EBS** and **CloudFront** for scalable application deployment, cost optimization and better storage solutions
* Utilized **Git** and **GitHub** for version control and code collaboration.
* Developed unit tests with **JUnit** and logging with **Log4j**, ensuring robust and maintainable code
* Expertise in building scalable, high-performance applications and leading development teams.
* Collaborative team player with a track record of mentoring junior developers and conducting code reviews.
* Practiced in **Agile** methodologies, consistently meeting sprint goals and project deadlines.

**TECHNICAL SKILLS**

* **Languages:** C**,** Java, Python, JavaScript, SQL, HTML, CSS
* **Frameworks**: Spring Boot, Spring Security, Hibernate, Spring AOP, Spring MVC React JS, Node JS, Express JS.
* **Databases**: MongoDB, MySQL, PostgreSQL.
* **Operating Systems**: Windows, MacOS, Linux.
* **IDE**: IntelliJ, Visual Studio Code, Eclipse IDE,STS.
* **Testing/Logging**: Junit,Postman,Log4j
* **Cloud Services**: AWS (EC2, S3,RDS,EBS Lambda, CloudFront)
* **DevOps**: Docker, Kubernetes, Jenkins, Git
* **Testing**: JUnit, Selenium, Mockito
* **Tools & Platforms**: Git, Jira, IntelliJ IDEA, Visual Studio Code
* **Agile Methodologies**: Scrum, Kanban

**PROFESSIONAL EXPERIENCE**

**Senior Full Stack Developer**

**Cerner Corporation, Kansas City, MO**  
*August 2022 – Present*

**Project Description:**

I worked on a Hospital Management System and Payment Management. I mainly worked on the payment component where we focus on ensuring the patients can do the bill payment online without reaching the hospital once they are done with the treatment using their insurance policies. The patient bills will be sent to the respective insurance company and based on the response the bill will be cleared, in case of any dues a user account will be generated which will be notified to the user and they can pay the bill online by accessing the account. I mainly focused on working with development of the payment portal. Receiving the data from the user through UI and handling the data by validating it and get the transaction response from the bank and give back to the user and update the database.

* Implemented Full stack application using **React** for the front-end and **Java Spring Boot** for the back end logic.
* Developed React Function components and Spring Services associated with Patient Bill Payment System verifying with insurance coverage data.
* Developed and maintained **REST** **APIs** with a user payment related business logic and ensured a seamless integration with front-end applications, improving data exchange efficiency.
* Designed and developed front-end components with React using **HTML**, **CSS**, and **JavaScript**, ensuring responsive and interactive user interfaces for the payment of hospital bills, and requesting for the refunds.
* Utilized **Axios in React** for making HTTP requests and handling responses from the backend.
* Configured **Cross-Origin Resource Sharing (CORS)** in Spring Boot to enable secure communication between frontend and backend.
* Integrated **MongoDB** for high-volume data storage, ensuring data integrity and fast query performance.
* Managed communication between the backend server and the MongoDB database using **Spring Data JPA**.
* Tested the REST APIs using a client tool **Postman**
* Architected and implemented cloud-native applications on AWS, leveraging services such as **EC2, S3, Lambda, and RDS**, optimizing for performance, scalability, and cost-efficiency.
* Configured **AWS** **Dynamo** **DB** Multi-AZ deployments for high availability and disaster recovery.
* Implemented **CI/CD** pipelines using Jenkins, automating the build, test, and deployment processes.
* Configured **AWS** **S3** lifecycle policies to automate data retention and archival processes, ensuring compliance and cost-efficiency.
* Enhanced application security by implementing **OAuth2** authentication and authorization mechanisms for login using third party application and **JWT** tokens for the registered accounts.
* Integrated **Elasticsearch** for full-text search capabilities, enhancing data retrieval and search performance.
* Unit tests were developed with **Junit, Mockito** and logging with **Log4j**, ensuring robust and maintainable code
* Conducted code reviews and provided mentorship to junior developers, fostering a collaborative and high-performing team environment.
* Collaborated with cross-functional teams to define project requirements and deliverables, ensuring alignment with business objectives.
* Utilized Agile methodologies to manage project tasks and deliverables, consistently meeting sprint goals and deadlines.

**Environment**:React, Java Spring Boot, REST API’s, HTML, CSS, and JavaScript, Axios, Cross-Origin Resource Sharing (CORS), MongoDB , Postman,Spring Data JPA.AWS Services- EC2, S3, Lambda, and RDS, AWS Dynamo DB,3, Spring Security , OAuth2, JWT Tokens, Elasticsearch, Junit , Log4j,Mockito

**Full Stack Developer**

**Merrill Lynch, New York, NY**  
*December 2020 –July 2022*

**Project Description:**

I worked on the Rewards and Eligibilities Management of the customers. Customers are categorised into different tiers based on multiple considerations of their profile. Each tier has its own benefits, reward and eligibilities. I make sure that the customer form a particular tier should be able to access the benefits and restrict the customer who don’t.

* Developed scalable web applications using **Java**, **Spring Boot, and React**, delivering solutions based on client requirements.
* Built and maintained **RESTful** services, ensuring efficient communication between front-end and back-end systems.
* Used **Spring Cloud Config** for centralized configuration management.
* Implemented **MySQL** for data storage and retrieval, optimizing application performance with efficient indexing and query strategies.
* Designed and developed user-friendly front-end interfaces with **React**, enhancing user experience and engagement.
* Configured and managed **Eureka Server** and **Eureka Client** for service discovery and registry.
* Implemented **Feign Clients** for simplified service-to-service communication.
* Set up **API Gateway** for centralized routing, load balancing, and authentication.
* Leveraged **AWS** services to deploy and manage applications, achieving high availability and fault tolerance.
* Implemented serverless architecture on **AWS** Lambda functions to handle asynchronous tasks, reducing operational costs.
* Integrated **Apache** **Kafka** for real-time data streaming between microservices, improving data consistency and system scalability.
* Automated testing and deployment processes using **Jenkins**, **Docker and Kubernetes**, ensuring consistent application quality.
* Utilized **Git** for version control and collaboration, maintaining a clean and organized codebase.
* Conducted performance tuning and optimization of applications, reducing response times and improving throughput.
* Tested the application by witting **JUnit** test cases.
* Collaborated with product owners and stakeholders to gather and refine requirements, ensuring project alignment with business goals.
* Participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, contributing to continuous improvement.

**Environment**:Java, Spring Boot, and React, RESTful Services, Spring Cloud Config , MySQL, React, Eureka Server, Eureka Client, Feign Clients, API Gateway, AWS Lambda, Apache Kafka, Jenkins ,Docker, Kubernetes ,Git, JUnit

**Software Engineer**

**Kia America, Irvine, CA**  
*Feb 2019 –Nov 2020*

**Project Description:**

I mainly focused on the Offers and Incentives component. The primary goal is to show users the available deals and offers available in their nearest location or based on specified pin number and model of the car. They can view and search for all the deals available in different locations on different models. User can get the quote by selecting a dealer from a given list, Preferred contact method and Payment method and submit their request.

* Developed and maintained enterprise-level applications using **Java, Spring Framework**, delivering high-quality software solutions.
* Created **RESTful APIs** for integration with external systems, ensuring seamless data exchange and interoperability.
* Implemented **AWS-based** solutions for application hosting and data storage, optimizing cost and performance.
* Integrated **MongoDB** for efficient data storage and retrieval, ensuring high performance and reliability.
* Ensures the Database access and management from the backed-end server using **Spring Data JPA.**
* Tested REST APIs using **Postman** for ensuring functionality, performance, and
* reliability.
* Automated build and deployment processes using **Jenkins**, improving development workflow and reducing time-to-market.
* Conducted code reviews and provided feedback to ensure code quality and adherence to best practices.
* Utilized **Git** CLI for the version control.
* Collaborated with QA teams to develop and execute test plans, ensuring application reliability and stability.
* Participated in Agile development processes, contributing to sprint planning and backlog grooming sessions.
* Resolved technical issues and implemented enhancements, improving application functionality and user satisfaction.

**Environments**: Java, Spring Framework, RESTful APIs, AWS- EC2,IAM ,S3,EBS,document DB, Mongo DB, Spring Data JPA, Postman, Jenkins, Git.

**Software Developer**

**Infinite Computer Solutions, Chennai, Tamil Nadu**  
*May 2017 –Jan 2019*

**Project Description:**

I worked on the Forex Payments System. It can help the customers to do the international transaction all over the world. It gathers the information form the user such as the source and destination account numbers, currencies and the amount they want to transfer from the source. All this information will be secured and encrypted .It processes the user request and completes the transaction utilizing the live forex rates.

* Assisted in the development of web applications using **Java, Spring MVC**, **Spring Boot** contributing to project success.
* Developed and maintained **RESTful APIs** for data exchange between front-end and back-end systems.
* Utilized **Postman** for testing the RESTful API’s.
* Implemented **PostgreSQL** for data storage solutions, ensuring efficient data handling and retrieval.
* Automated testing processes using **JUnit and Mockito**, improving application reliability and performance.
* Participated in code reviews and collaborated with team members to ensure code quality and consistency.
* Assisted in the maintenance and enhancement of existing applications, resolving bugs and implementing new features.
* Followed Agile methodologies to manage project tasks and deliverables, ensuring timely completion of development cycles.
* Provided technical support and troubleshooting for production issues, ensuring minimal downtime and disruption.

**Environment**: Java, Spring MVC, Spring boot, RESTful APIs, Postman, PostgreSQL, Junit and Mockito, Git, Postman

**EDUCATION**

**Master’s of Science in Computer Science** University of Missouri Kansas City, Kansas City, MO,USA  
*Graduated: July 2021*

**Bachelor of Science in Computer Science** Godavari Institute of Engineering and Technology

Rajahmundry, India  
*Graduated: July 2021*

**CERTIFICATIONS**

* Oracle Certified Java Associate.
* Hacker Rank -Problem Solving(Intermediate).
* NPTEL certified “Database Management Systems”.
* NPTEL certified Java.
* NPTEL “Problem Solving using Python and Data Structures”.