SD SAI RAM DAMMALAPATI

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SUMMARY

- Having 9+ years of IT experience and technical proficiency in SDLC in different technologies.
- Strong exposure in development of Web Applications using technologies like **Core Java, Spring Boot and Spring Security**.
- Skilled in building interactive user interfaces using **ReactJS, Angular** and integration with **Nodejs**. Proficiency in developing rich web applications using **GWT** framework.
- Experience in **AWS** cloud platform with different services like **S3, EBS, EC2, SQS, SNS, RDS**, **Cloud Watch.** Also Knowledge on **GKE** of **GCP** and familiarity with **PCF** for building, deploying, and scaling cloud-native applications.
- Proficiency in creating, deploying, and managing containerized applications using **Docker** and container orchestration and management using **Kubernetes**.
- Experienced software engineer specializing in **Microservices** architecture and **OpenShift** deployment. Strong expertise in designing, developing, and scaling **Microservices** applications, leveraging **OpenShift** for containerization and orchestration.
- Skilled in developing **Groovy** scripts within **Jenkins** pipelines to configure and automate **CI/CD** tools, facilitating seamless build, testing, and deployment processes.
- Experience in deploying and configuring Java web applications on **Apache Tomcat Server, JBoss, Jetty and Grid**
- Proficiency in working with **MySQL, MSSQL, MariaDB and MongoDB** databases for data storage, querying, and management.
- Experience in working with **JPA and Hibernate** ORM for object-relational mapping and database interaction.
- Proficient in designing and developing **RESTful** web services for communication between systems.
- Knowledge of using **Camunda** for workflow automation and business process management.Skilled in streamlining processes, enhancing efficiency by using Camunda's robust features and capabilities.
- Integrated **Kafka** and **MQ** messaging systems for real-time data streaming and reliable inter-application communication.
- Proficiency in using **Git and Tortoise SVN** for version control, branching, and collaboration in software development.
- Proficient in using **Maven and Gradle** for project build automation, dependency management, and project structure.
- Experience in writing and executing unit tests using **JUnit and Mockito** framework for Java applications.
- Experience in working with **Eclipse, STS and VScode** for application development.
- Proficiency in configuring and managing Jenkins for continuous integration, build automation, and deployment.
- Experience in developing **Windows and Linux** operating systems.
- Understanding of **HTTP** protocol for client-server communication over the internet and familiarity with **FTP, SMTP** Protocols.
- Familiarity in using **Scrum, JIRA** for issue tracking, project management, and agile team collaboration.
- Ability to work individually if needed and clearly communicate issues to development team and management.
- Capable of self-learning to explore and technical competency over broad range of technologies.
- Involved in requirements gathering interesting to learn new technologies.

SKILLS

- Programming Languages : Java 8, J2EE
- Frameworks : Spring Boot, Spring Security
- Script : JavaScript,ReactJS, NodeJS,Angular, Typesript,Groovy
- Cloud : AWS,PCF,GCP
- Containerization : OpenShift,Docker,Kubernetes
- DevOps : CI,CD
- Front end : GWT,HTML,CSS
- Web/Application Servers : Tomcat, JBoss, Jetty
- Workflow Management Platform : Camunda
- Distributed streaming platform : Kafka,MQ
- ORM tools : Hibernate
- Webservices : Restful Web services
- Versioning Tools : Git, Tortoise SVN
- Build Tools : Maven, Gradle
- Testing Tools : Junit, Mockito
- Databases : MySQL, MSSQL, Mariadb, Mongodb
- IDE : Eclipse, STS, Visual studio code
- Continuous Integration Tool : Jenkins
- Operating Systems : Windows, Linux
- Protocols : HTTP, FTP, SMTP
- Methodologies : Agile, Scrum
- Defect tracking tool : JIRA

EXPERIENCE

Sr. Java Full Stack Developer / Synectiks - Princeton, NJ   *06/2023 - Current*

Workflow Automation System(WAS):

Technologies:

Java 8, Spring Boot, Camunda, ReactJS, MicroServices, Hibernate, AWS, Git, Kafka, Jenkins

Description :

- The Workflow Automation System is designed to revolutionize the way tasks are managed and processes are executed within the organization.
- By leveraging modern technology and cutting-edge automation principles, this system empowers users to seamlessly create, manage, and execute workflows tailored to their specific needs.
- Key Features of WAS are Workflow Creation and Customization,Multi-Workflow Support,Task Automation and Acceleration, Real-time Monitoring and Reporting.

Accomplishments:

- Successfully implemented Camunda BPMN engine to automate various business processes, reducing manual intervention and enhancing accuracy.
- Modeled intricate workflows using BPMN notation to visualize and define process flows, tasks, and decision points.
- Orchestrated end-to-end process execution, enabling efficient task assignment, escalations, and approvals.
- Designed and developed a microservices architecture to modularize the application, fostering flexibility and scalability.
- Created microservices using Spring Boot, allowing individual services to be deployed, scaled, and maintained independently.
- Implemented inter-service communication using REST APIs and Kafka for real-time data synchronization.
- Developed a dynamic and user-friendly web interface using ReactJS to interact with the workflow automation system.
- Seamlessly integrated Hibernate with microservices, enabling efficient data retrieval and storage across the application.
- Implemented Kafka for event-driven communication between microservices, enhancing real-time data synchronization and decoupling.
- Developed and executed JUnit tests and ensuring functional accuracy and minimizing defects
- Actively engaged in client calls, effectively gathering requirements, and ensuring alignment between client
- expectations and project deliverables, resulting in high client satisfaction.

Sr. Java Full Stack Developer / DBS Bank   *07/2020 - 06/2023*

LSMS Workflow:
Technologies:
Java 8, Spring Boot, JavaScript, ReactJS, Typescript, MicroServices, NodeJS, ExpressJS, MongoDB, Hibernate, Swagger, Eclipse, AWS, MySQL, Git, PCF, Kafka, Flyway, Spring-Security, OpenShift, AWS, Camunda, JBoss, Jenkins
Description :
- LSMS Workflow manages the workflow of application in unsecured lending in India
- It will streamline the processing of pre-approval and on-demand applications received from DIGI app or CAPI (partner flow), ensuring seamless integration, and conducting essential policy checks
- It will provide a disbursement checklist and fraud check to facilitate the smooth progression of application processing, making these checklists pivotal to the entire application lifecycle

Project Accomplishments:
- Developed robust, scalable, and efficient web applications using Java, SpringBoot, ReactJS, NodeJS, and ExpressJS
- Implemented Microservices architecture to build modular and decoupled components, leveraging technologies such as Spring Boot, Hibernate, and Camunda
- Successfully implemented Camunda to orchestrate and automate the LSMS Workflow
- By leveraging Camunda's powerful features, streamlined the processing of pre-approval and on-demand applications from DIGI app or CAPI
- Integrated multiple systems, conducted essential policy checks, and utilized Camunda to provide disbursement checklists and fraud checks, ensuring a smooth application processing lifecycle
- Creating responsive and user-friendly UI components using ReactJS, ensuring seamless user experiences across different devices
- Designing and optimizing database schemas, utilizing MySQL, and integrating Hibernate for efficient data persistence and retrieval
- Implemented RESTful APIs with Swagger for documentation, adhering to REST principles, and ensuring API consistency and security
- Deploying applications on cloud platforms like PCF (Pivotal Cloud Foundry) and OpenShift, leveraging their scalability and reliability
- Ensuring database migration and version control using Flyway, maintaining data consistency, and enabling seamless updates
- Integrating with AWS services like S3 for cloud-based storage
- Setting up and configuring CI/CD pipelines using Jenkins for automated builds and deployments, ensuring continuous integration and delivery
- Implemented robust application security measures, such as Sonar and Nexus, to proactively identify and address vulnerabilities, enhancing overall system security and protecting sensitive data
- Developed and executed JUnit tests AND ensuring functional accuracy and minimizing defects
- Actively engaged in client calls, effectively gathering requirements, and ensuring alignment between client expectations and project deliverables, resulting in high client satisfaction

Sr. Java Full Stack Developer / DBS Bank   *11/2019 - 06/2023*

Loan State Management System (LSMS)
Technologies:
Java 8, Spring Boot, JavaScript, ReactJS, Typescript, MicroServices, Hibernate, Swagger, Eclipse, AWS,MySQL, Git, PCF, Flyway, Kafka, Spring-Security, JBoss, Jenkins
Description :
- LSMS manages the state of application in unsecured lending in India
- Serving a highly efficient orchestration layer, seamlessly connecting CAPI and SOI to subsystems including EWSS, LEAPS, and IWF

- Enabled decision-making by providing negative customers and performing accurate dedupe checks
- LSMS will orchestrate and fetch customer credit scores from reputable third-party sources such as Credit Vaidya, Experian, and Hunter

Project Accomplishments:
- Developed robust enterprise applications by following SOLID principles, design patterns, and clean coding practices
- Designed and implemented scalable and fault-tolerant microservices architecture using Spring Boot and Hibernate
- Utilizing a modern tech stack, the LSMS interface is developed with ReactJS, and Typescript, ensuring a dynamic and responsive user experience while maintaining robust type-checking and code reliability.
- Designed and optimized database schemas for efficient data management in MySQL, leveraging Hibernate ORM for seamless data persistence and retrieval
- Implemented RESTful APIs with Swagger for documentation, adhering to REST principles, and ensuring API consistency and security
- Integrated Kafka messaging for reliable and scalable event-driven communication
- Utilized PCF for cloud-native application deployment, auto-scaling, and load balancing, and implemented CI/CD pipelines using Jenkins for automated builds and deployments
- Implemented robust application security measures, such as Sonar and Nexus, to proactively identify and address vulnerabilities, enhancing overall system security and protecting sensitive data
- Developed and executed JUnit tests and ensuring functional accuracy and minimizing defects
- Actively engaged in client calls, effectively gathering requirements, and ensuring alignment between client expectations and project deliverables, resulting in high client satisfaction.

Software Engineer / Infor   *12/2017 - 11/2019*

Intelligent Open Network (ION):
Technologies:
Java, Spring Boot, GWT, Micro Services, Hibernate, Swagger, Eclipse, MySQL, Git, INFOR Grid, Spring-Security, Jenkins, AWS S3
Description :
- Infor ION is a powerful middleware solution that simplifies software integration by seamlessly integrating enterprise systems
- Easily integrate Infor and third-party enterprise systems, while eliminating information silos with Infor Intelligent Open Network, Infor's advanced middleware cloud platform
- Infor ION provides the flexibility you need to make an often-complex web of enterprise systems work together
- It provides long-term sustainability to optimize return on technology investments
- With ION, one application can be upgraded, replaced, or even fail without taking the entire network down
- Information is accessible in real-time, and system maintenance is less costly and complex
- Easily integrate both Infor and third-party software applications
- Create workflows and alerts that dramatically improve exception management
- Design, monitor, or change business processes without IT involvement
- Connect applications to the events in your business process

Project Accomplishments:
- Led the analysis, design, coding, and implementation of multiple modules of the application by using Java, Spring Boot, GWT, and Micro Services, ensuring optimal performance and user experience
- Integrating Hibernate ORM and MySQL to efficiently manage and retrieve data, enhancing application functionality and responsiveness
- Actively participated in client calls, effectively gathering requirements and ensuring alignment between client expectations and project deliverables
- Developing RESTful APIs with Swagger documentation, adhering to best practices and enabling seamless integration with other systems

- Collaborating with cross-functional teams to implement Spring Security, ensuring robust authentication and authorization mechanisms for secure application access
- Worked with AWS S3 in the cloud, leveraging its storage capabilities for efficient data management and access
- Setting up and automating CI/CD pipelines with Jenkins, enabling continuous integration and deployment for efficient software delivery
- Reviewed user stories and played a key role in designing the application architecture, ensuring scalability, maintainability, and optimal performance
- Conducted in-depth analysis of the business functionality of the product, understanding key requirements and translating them into technical solutions
- Wrote comprehensive JUnit tests to validate various test case scenarios, ensuring functional accuracy and minimizing defects
- Conducted thorough testing of application functionalities using POSTMAN, ensuring reliable and consistent behavior across different use cases

Software Engineer / Network Solutions   *10/2016 - 11/2017*

CSR-Tools and PL-Tools:
Technologies:
Java, Spring MVC, Java, Angular, JSP, jQuery, Tomcat, Hibernate, Eclipse, MySQL, SVN
Description :
- Web.com is a prominent company in the USA offering comprehensive services such as product hosting, domain purchases, and supplying CodeGuard and SiteLocks
- The project involved developing and enhancing Internal-Tools (CSR-Tools and PL-Tools) to effectively address user queries and support customers with their product-related needs

Project Accomplishments:
- Developed and implemented Java-based web applications using Spring MVC, JavaScript, Angular, JSP, and jQuery, delivering robust and user-friendly solutions
- Leveraged Hibernate ORM for efficient data persistence, ensuring seamless integration with MySQL databases and optimizing performance
- Collaborated with a development team using Eclipse IDE, facilitating efficient coding, debugging, and version control with SVN
- Designed and implemented database schemas, ensuring data integrity and efficient query execution
- Implemented responsive and interactive user interfaces using HTML, CSS, JavaScript, and jQuery, enhancing user experience and usability
- Conducted comprehensive unit testing using JUnit and performed debugging to ensure code quality and functionality
- Actively participated in requirement analysis, solution design, and client interactions, ensuring alignment with project goals and objectives
- Collaborated with cross-functional teams to integrate APIs and external services, enhancing application functionality and interoperability
- Ensured code quality and adherence to coding standards through code reviews and continuous integration processes.

Software Engineer / Verizon   *10/2016 - 11/2017*

PQT:
Technologies:
Java, Spring MVC, Java Script, jQuery, Tomcat, Hibernate, Eclipse, MySQL, SVN
Description:
- PQT (Client Response Summarization Tool) will enable the efficient summarization of a large volume of client responses using various visual representations
- It will reduce the time and manpower to summarize the client responses, optimizing productivity and resource

allocation

Project Accomplishments:

- Developed web applications using Spring MVC and Angular, delivering responsive and feature-rich user interfaces
- Utilized Hibernate ORM for seamless integration with MySQL databases, ensuring efficient data persistence and retrieval
- Successfully deployed applications on Tomcat servers, ensuring smooth functionality and scalability
- Collaborated with a development team using Eclipse IDE and SVN for version control, enabling efficient code management and seamless collaboration
- Designed and optimized database schemas, enhancing performance and data integrity in MySQL
- Implemented interactive and dynamic user interfaces using JavaScript, jQuery, and Angular, enhancing user experience and usability
- Utilized logging frameworks such as log4j and Slf4j to implement robust logging mechanisms
- Conducted comprehensive unit testing using JUnit, ensuring code quality and functional correctness
- Actively participated in requirement gathering sessions, contributing to the development of effective and tailored solutions
- Collaborated with cross-functional teams to integrate APIs and external services, enhancing application functionality and interoperability
- Ensured adherence to coding standards, best practices, and project timelines, delivering high-quality and timely solutions

Software Engineer / Splendid Tech Systems   *08/2014 - 10/2016*

Rudd Buddy:
Technologies :
Java, Dropwizard, Jetty, Hibernate, Eclipse, MySQL, SVN, AWS, AngularJS
Description:

- RuddBuddy is an innovative online tour engagement platform that connects users with tour providers
- The primary objective of this application is to alleviate the burden on end users who wish to explore tours based on their interests, providing them with a virtual environment to interact with tour providers
- RuddBuddy offers a range of features, including the ability to list and offer tours, book tours (including scheduled, on-demand, and zero tours), receive booking status updates via email, cancel tours, and facilitate online payments using the Citrus payment gateway
- The platform aims to enhance the user experience and streamline the tour booking process, fostering seamless engagement between users and tour providers

Project Accomplishments:

- Developed a robust web application using Java, Dropwizard, Jetty, and AngularJS, providing a seamless and engaging user experience for tour engagement between users and providers
- Utilized Hibernate ORM and MySQL to efficiently manage and retrieve data, ensuring data integrity and optimal database performance
- Collaborated with a development team using Eclipse IDE and SVN for version control, ensuring efficient code management and seamless collaboration
- Hosted the application on AWS (Amazon Web Services), leveraging services like EC2 for scalable computing resources and RDS for reliable database hosting, ensuring high availability and scalability
- Implemented advanced features such as email notifications using SES (Simple Email Service), enabling efficient communication and updates between users and tour providers
- Conducted comprehensive testing and debugging using appropriate tools and techniques, ensuring high-quality software deliverables
- Worked closely with clients and stakeholders, actively gathering requirements, and providing innovative solutions to meet their business needs
- Ensured adherence to coding standards, best practices, and project timelines, delivering high-quality and timely

solutions.

EDUCATION AND TRAINING

B.Tech: Information Technology   *04/2014*
JNTU Kakinada - AP, India

WEBSITES, PORTFOLIOS, PROFILES

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