Sai Teja Edikuda

Full Stack Developer

edikudasaiteja7@gmail.com | (913) -214-6833| <u>LinkedIn</u>

Professional Summary

- 7+ years of experience as a Java Full Stack Developer specializing in end-to-end development and deployment of scalable, high-performance web applications.
- Experience working in environments using Agile SCRUM and Test-Driven development methodologies.
- Expertise in core Java/J2EE technologies, Spring Framework, Hibernate and RESTful Web Services.
- Leveraged advanced proficiency in modern JavaScript frameworks such as Angular, React.js, and Node.js to create dynamic and interactive user interfaces.
- Strong hands-on experience with various Spring Framework modules including MVC, IOC, AOP, JPA, Cloud, Webflux, Security and Spring Boot.
- Demonstrated expertise in microservices architecture, designing and developing RESTful APIs, and implementing robust authentication mechanisms using Spring Security and JWT.
- Extensive experience with both relational and NoSQL databases, such as MySQL, PostgreSQL, Oracle, and MongoDB, for efficient data modeling, querying, and performance tuning.
- Proficient in utilizing a range of AWS services, including EC2, S3, RDS, VPC, IAM, ELB, Route53, SQS, SNS, ES, ECS, and EKS, for cloud infrastructure management, ensuring high availability and fault tolerance.
- Skilled in containerization and orchestration using Docker and Kubernetes, ensuring seamless deployment and scaling of microservices.
- Proficiently utilized Git for version control and Jenkins for continuous integration and continuous deployment (CI/CD), ensuring streamlined development workflows.
- Experience in messaging and event-driven systems using Apache Kafka and RabbitMQ, enabling real-time data processing and asynchronous communication.
- Strong focus on software testing and quality assurance using JUnit, Mockito, Selenium, and Cucumber for unit, integration, and end-to-end testing.
- Adept at developing and integrating front-end components using Angular, HTML/CSS, JavaScript and modern UI/UX principles for enhanced user experiences.
- Deep understanding of various Java EE components, including Servlets, JSP, JSTL, JDBC, JPA, EJB, JMS, JNDI, and JavaBeans, for building enterprise-grade applications.
- Implemented robust logging and monitoring solutions with ELK Stack (Elasticsearch, Logstash, Kibana) and centralized configuration management using Spring Cloud Config.
- Extensive experience in leveraging Redis for caching and optimizing data retrieval operations.
- Applied advanced Spring WebFlux techniques for reactive web application development, ensuring non-blocking and asynchronous endpoints.
- Proven ability to work in Agile environments, participating in sprint planning, daily stand-ups, retrospectives, and delivering high-quality software within iterative cycles.
- Dedicated to writing clean, maintainable, and scalable code, adhering to best practices, design patterns, and coding standards.
- Excellent problem-solving skills, focusing on performance optimization, scalability, and security in application development.

Skills

Category	Technologies
Programming Languages	Java (8/11/17), C, Java Script, Type Script, SQL, PL/ SQL, Python
Java/J2EE Technologies	Servlets, JSP, JSTL, JDBC, JPA, EJB, JMS, JNDI, JavaBeans, JAXB
Frameworks	Spring MVC, Spring Boot, Spring IOC, Spring AOP, Spring Batch, Spring Security, Spring Data JPA, Spring Cloud, Spring Webflux, Struts, Kafka, Hibernate
Databases	Oracle, SQL Server, MySQL, MongoDB, Cassandra, MariaDB, DynamoDB
Web Technologies	HTML5, CSS3, Bootstrap, SOAP, REST, AJAX, jQuery, JSF
JavaScript Frameworks	Angular (12-16), React.js, Node.js, next.js
Web/App Servers	IBM WebSphere, JBoss, BEA WebLogic, Tomcat
Mark-up/XML Technologies	XML, XSD, XSLT, JSON
Architectural Patterns	Microservices, MVC, SOA
Cloud Technologies	AWS (EC2, RDS, S3, Document DB, ECS, Lambda, CloudWatch, CloudFormation, VPC, IAM, ELB, Route53, SQS, SNS, ES, EKS), OpenShift, Kubernetes, Docker
Testing Tools	JUnit, Mockito, SoapUI, Postman, Selenium WebDriver, TestNG, Cucumber
Logging/Others	Log4j, Splunk, Cloud logging
Version Control	Git, SVN, Bitbucket, GitHub
Development Tools/Environments	Maven, Ant, Eclipse, IntelliJ IDEA, Visual Studio Code, Jira
Middleware/Messaging Systems	Apache Kafka, RabbitMQ, ActiveMQ, JMS.
CI/CD Tools	Jenkins, GitLab CI/CD, Docker Hub, AWS Code Pipeline, AWS Code Build
Additional Tools and Technologies	Graph QL

Professional Experience

Senior Java Full Stack Developer

Company Name, Location

January 2022 – Present

- Architected and developed microservices-based applications using Spring Boot, ensuring high scalability, maintainability, and resilience in production environments.
- Spearheaded the implementation of comprehensive security measures using Spring Security and JWT, safeguarding APIs and ensuring secure data transactions.
- Designed and deployed RESTful APIs, facilitating seamless communication between distributed microservices and enabling robust integration with external systems.

- Leveraged Spring Data JPA for advanced data access layers, performing complex queries, and ensuring optimal database interaction.
- Developed reactive web applications using Spring WebFlux, leveraging the reactive programming paradigm to build non-blocking and asynchronous endpoints.
- Implemented reactive controllers and handlers using annotations such as @Controller and @RestController in Spring WebFlux, ensuring efficient handling of web requests.
- Utilized Project Reactor's Mono and Flux types to process data asynchronously and handle reactive data streams effectively.
- Integrated WebFlux with other Spring modules and technologies, including Spring Data, Spring Security, and Spring Boot, to build robust and scalable applications.
- Orchestrated the migration of monolithic applications to cloud-native architectures on AWS, utilizing services like EC2, S3, RDS, VPC, IAM, and ELB for infrastructure management.
- Established CI/CD pipelines with Jenkins, automating the build, test, and deployment processes, significantly reducing deployment times and increasing reliability.
- Implemented Redis caching strategies to enhance application performance and reduce latency, ensuring faster data retrieval.
- Utilized Apache Kafka for real-time data streaming and processing, enabling high-throughput and low-latency communication between services.
- Developed rich, responsive web applications using Angular, employing best practices for component-based architecture, state management, and performance optimization.
- Developed interactive UI features using AngularJS and Angular, including data tables and encrypted file upload/download capabilities, enhancing user engagement and data security.
- Created and maintained reusable Angular components and services, promoting modularity and code reusability across multiple projects.
- Integrated MongoDB for flexible and scalable data storage solutions, optimizing data retrieval and manipulation for dynamic applications.
- Utilized Docker for containerization and Kubernetes for orchestrating microservices, streamlining deployment, and scaling processes.
- Conducted thorough code reviews, ensuring adherence to coding standards, and provided mentorship to junior developers, fostering a collaborative and high-performing team environment.
- Implemented unit and integration testing using JUnit and Mockito, ensuring code quality and reliability through automated testing frameworks.
- Participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, contributing to continuous improvement and efficient project delivery.
- Set up comprehensive monitoring and alerting using Prometheus, Grafana, and ELK Stack, ensuring application health and prompt issue resolution.

Java Full Stack Developer

Company Name, Location

May 2019 – December 2021

- Developed and maintained enterprise-level applications utilizing Java, Spring Boot, and Angular, delivering robust and scalable solutions for complex business requirements.

- Designed and implemented RESTful APIs, ensuring efficient and secure data exchange between client and server, and enabling seamless integration with third-party services.
- Enhanced application security by implementing OAuth2 authentication and authorization mechanisms, safeguarding sensitive data and user information.
- Optimized SQL queries and database interactions for performance improvements, leveraging MySQL and PostgreSQL for efficient data management and storage.
- Utilized Spring Cloud for microservices configuration, service discovery, and centralized logging, enabling scalable and fault-tolerant architectures.
- Integrated AWS services such as S3, RDS, Lambda, and CloudFormation, automating infrastructure provisioning and management for cloud-based applications.
- Employed RabbitMQ for asynchronous messaging, improving application responsiveness and decoupling components for better scalability.
- Utilized React's virtual DOM rendering to efficiently update the UI based on changes in application state.
- Implemented state management in React applications using Hooks and the Context API. This allowed for the centralized management of application state and enabled components to share state without prop drilling, simplifying state management in large-scale applications.
- Utilized Git for version control, facilitating collaborative development and ensuring code integrity and traceability.
- Established CI/CD pipelines with Jenkins, automating build, test, and deployment workflows, and reducing manual intervention in the release process.
- Familiarity with Docker and Kubernetes underpins adeptness in containerization for streamlined application deployment and administration.
- Leveraged Redis as a caching solution to optimize data retrieval operations. Implemented caching mechanisms to store and retrieve frequently accessed data, reducing response times and improving overall system performance.
- Conducted comprehensive unit and end-to-end testing using JUnit and Selenium, ensuring code quality and functionality before deployment.
- Participated in code reviews and implemented feedback to improve code quality, maintainability, and adherence to best practices and standards.
- Collaborated with DevOps teams to streamline deployment processes, monitor application performance, and ensure system reliability.
- Implemented logging and monitoring solutions using the ELK stack (Elasticsearch, Logstash, Kibana), providing visibility into application performance and aiding in issue diagnosis.
- Applied best practices for security, scalability, and performance optimization, ensuring applications met high standards of quality and reliability.
- Engaged in Agile ceremonies, contributing to sprint planning, estimation, and retrospectives, and ensuring timely delivery of features and improvements.
- Implemented asynchronous processing features using JMS, enhancing application performance and responsiveness by offloading long-running tasks.

Environment:
Java, Spring Boot, Spring Cloud, React.js, RESTful APIs, OAuth2, MySQL, PostgreSQL, AWS (S3, RDS, Lambda, CloudFormation), RabbitMQ, Redis, Git, Jenkins, JUnit, Selenium, ELK stack (Elasticsearch, Logstash, Kibana), JMS, Agile (SCRUM), Docker, Kubernetes.

Java Developer

Company Name, Location

July 2016 – April 2019

- Utilized Agile (SCRUM) methodologies to manage the software development lifecycle of dynamic J2EE projects, ensuring timely delivery and adaptability to changing requirements.
- Produced intricate sequence and data flow diagrams utilizing UML methodologies.
- Developed and maintained web applications using Java, Spring MVC, and Hibernate, delivering scalable and high-performance solutions for enterprise clients.
- Demonstrated proficiency in Java 8 by implementing default and static methods in interfaces, enhancing code reusability and facilitating efficient development across multiple classes.
- Leveraged Java 8 features such as CompletableFuture and improved Date and Time API for asynchronous and concurrent programming, and accurate date and time manipulation respectively.
- Used Java concepts like multi-threading for code development and JDBC connections through hibernate.
- Development using spring framework (MVC, Dependency injection, Auto wiring, Caching, Database connectivity, Webservice Rest and Soap Client API, Asynchronous calls, Thread Executor framework) which communicates with various service layers and configuration the spring XML files.
- Utilized Spring Security for securing web applications, implementing role-based access control, and protecting sensitive endpoints.
- Worked with MySQL and PostgreSQL for database design, optimization, and complex query implementation, ensuring efficient data storage and retrieval.
- Integrated front-end components with back-end services using Angular, enhancing user experience with dynamic and responsive interfaces.
- Used AngularJS to develop dynamic web pages, enhancing user experience and interaction.
- Implemented additional UI components using asynchronous AJAX, jQuery, and AngularJS, contributing to a richer client-side experience.
- Implemented asynchronous processing using JMS and RabbitMQ, improving application performance and enabling decoupled communication between services.
- Developed comprehensive unit and integration tests using JUnit and Mockito, ensuring code reliability and functionality through automated testing.
- Participated in code reviews, providing feedback to peers and ensuring adherence to coding standards and best practices.
- Demonstrated expertise in Java's Stream API for efficient processing and manipulation of data collections.
- Deployed applications on AWS, configuring cloud resources and automating deployment processes to ensure high availability and fault tolerance.
- Configured Jenkins for continuous integration, automating build, test, and deployment workflows to improve development efficiency and reduce errors.
- Collaborated with business analysts to gather and analyze requirements, ensuring solutions met business needs and user expectations.
- Troubleshot and resolved application issues in production environments, applying best practices for debugging and root cause analysis.

Environment:

Java 8, Spring MVC, Spring Security, Hibernate, Angular, AngularJS, AJAX, jQuery, JMS, RabbitMQ, MySQL, PostgreSQL, AWS, Jenkins, JUnit, Mockito, UML, Agile (SCRUM), Git, Maven, Spring Boot, Spring Data JPA, RESTful and SOAP Web Services.

Junior Java Developer

Company Name, Location

June 2014 – June 2016

- Assisted in the development of web applications using Java and Spring MVC, contributing to the creation of scalable and high-performance solutions.
- Implemented various design patterns such as Singleton, Factory, and J2EE patterns like Business Delegate, Session Facade, Value Object, and DAO.
- Utilized the Spring Framework's IoC (Inversion of Control) Dependency Injection to inject service objects into action classes using the Service Locator Design Pattern.
- Developed the user interface using JSF, JSP, HTML, CSS, JavaScript, and JSTL.
- Effectively combined JSF's structured UI components with JSP's flexibility for rendering dynamic content based on user interaction.
- Participated in database schema design and query optimization, working with Oracle to ensure efficient data storage and retrieval.
- Worked on bug fixes and feature enhancements based on user feedback, ensuring continuous improvement and user satisfaction.
- Utilized Git for version control and code management, facilitating collaborative development and ensuring code integrity and traceability.
- Developed necessary parsing and XML construction logic using JAXB
- Utilized Java Persistence API (JPA) and hibernate for database transactions.
- Proficient in Java application development on both the client-side and server-side using JDBC and advanced multithreading.
- Conducted unit testing to ensure code quality, using JUnit and Mockito for automated testing.
- Implemented validation and error-handling mechanisms to ensure data integrity and prevent security vulnerabilities such as SQL injection and cross-site scripting (XSS).
- Applied Agile methodologies and participated in daily stand-ups and sprint reviews, contributing to continuous improvement and efficient project delivery.
- Used Log4j and SLF4J for logging, capturing logs that include runtime exceptions, to aid in debugging and monitoring.
  Environment: Java, Spring MVC, JSF, JSP, HTML, CSS, Bootstrap, JavaScript, Hibernate, Design Patterns, XML, Maven, Oracle, Git, Log4j, SLF4J, JUnit, Mockito, Jenkins.

Education

Master's in Computer Science

University of Central Missouri