Akshay Reddy Narra

📞 540-558-3991   ✉ akshayredy92@gmail.com   🔗 linkedin.com/in/Akshay-06   🌐 akshay-06.github.io/portfolio

Summary

Experienced software engineer specializing in **RESTful microservices**, web services, enterprise applications, web applications and integrations using **Spring** Framework, database management, full stack development and cloud solutions. Proficient in **Java**, **MERN** stack, **AWS**, **SQL**, and **NoSQL** databases. A collaborative team player with a strong background in Agile methodologies, skilled in problem-solving, and dedicated to continuous learning and professional growth.

Technical Skills

Languages: Java, Python, C, Typescript, JavaScript and R programming
J2EE Technologies & Frameworks: Spring, Struts, MVC, Redux, Hibernate, Servlets, Java 8, JSP, JDBC, JPA, JSF
Web Development: HTML/CSS, Vue.js, jQuery, React, Node.js, Express.js, Hooks, Rest API's, JSON, Bootstrap and Flask
Databases: MySQL, PL/SQL, PostgreSQL, Microsoft SQL Server, Azure SQL, AWS RDS, MongoDB and Cassandra
Tools: Figma, ServiceNow, IBM BPM, Postman, Swagger, Splunk, Jenkins, Docker, Chrome Developer Tool, OpenShift.
Certifications: Certified System Administrator-ServiceNow, Problem Solving Advanced, Java and Python Certification

Experience

ADP   Dec 2020 – Dec 2022
Software Developer (Full time)   *Hyderabad, India*

- Contributed to development of ADP Celergo, a cloud-based payroll and HR solution tailored for multinational enterprises.
- Developed microservices using Java 8 and Spring Boot to build individual components of the application and implemented RESTful APIs for seamless integration with SAP, RPA, and AWS SQS systems, leveraging the Spring 4.x Framework.
- Automated Celergo's manual processes using IBM BPM and led digital transformation initiatives with Spring Microservices.
- Utilized JPA/Hibernate to map Java classes to database tables and developed Data Access Objects (DAOs) for CRUD operations. Implemented Session Beans and DAO classes for all modules, ensuring efficient database interactions.
- Integrated Swagger for API testing in Celergo and resolving issues using Splunk for debugging and root cause analysis.
- Optimized MySQL databases, reducing response time by 33% for critical data operations through query optimization.
- Developed AWS CloudFormation templates for automated provisioning of EC2 instances with auto-scaling capabilities.
- Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes.
- Recognized with an award for outstanding contributions and dedication for delivering two high quality software solutions.

SMARTBRIGE   May 2018 – Nov 2020
Java Developer   *Hyderabad, India*

- Developed RESTful Web Services using Spring Boot and Microservices, handled JSON data between front-end and the middle-tier controllers, and worked with AWS and utilized EC2 to deploy Docker containers onto the severs.
- Designed responsive front-end interfaces using React.js and Redux, improving UX and reducing page load times by 30%
- Implemented bean references and utilized dependency injection and IoC in Spring to enhance application reusability.
- Used Spring-JDBC Template for coding DB operations on Microsoft SQL Server and developed DML and DDL statements.
- Implemented thorough unit and integration testing using JUnit and Mockito, increasing code coverage from 60 to 90%.
- Implemented a robust CI/CD pipeline using Jenkins, including custom Slack integration to alert the status of CI/CD build.
- Utilized Git for version control, ensuring efficient collaboration and streamlined code management throughout the development process and JIRA as the bug tracking system to track and maintain the history of bugs/issues.

Projects

BOOKIT | GitHub: https://github.com/Akshay-06/BookIt

- Built "BookIt," an advanced online bookstore application using Java Spring Boot, Vue.js, and TypeScript.
- Implemented Vue.js frontend with Vue Router and Vuex for efficient routing, state management, reactive UI.
- Developed backend functionalities with Java Spring Boot, including high-performance inventory management and order processing, and designed RESTful APIs for seamless communication between frontend and backend.
- Integrated OAuth 2.0, Spring Security, CSRF protection, CORS and RBAC for robust authentication and authorization.

Education

Virginia Polytechnic Institute and State University   Jan 2023 - May 2024
Master's in Computer Science (GPA: 4.00 / 4.00)   *Blacksburg, Virginia*