Sandeep Bikka (Full Stack Java/React Software Developer)

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SUMMARY:

- Experienced Java Full Stack Developer around 6 years of expertise in building scalable, cloud-based applications using Java 8/11/17, Spring Boot, Hibernate, React, Angular, Node.js, and microservices architecture.
- Proven track record in designing and deploying solutions on AWS, Azure, and GCP, with strong skills in REST APIs, Docker, Kubernetes, Kafka, and CI/CD.
- Proficient in deploying back-end applications using Java (J2SE/J2EE), Spring Boot, and Hibernate, and skilled in Core Java with advanced features like Spring and JDBC.
- Experienced in writing SQL queries and working with databases such as Oracle, MySQL, and PostgreSQL. Highly skilled in version control using Git and GitHub, and knowledgeable in object-oriented programming practices with Selenium.
- Conducted Root Cause Analysis (RCA) for critical incidents, identifying long-term fixes and reducing recurring issues by 30%.
- Analyzed system logs, API traces, database queries, and application metrics to determine root causes and propose solutions.
- Implemented post-mortem reviews for major incidents, documenting lessons learned and improving incident resolution time.
- Competent in HTML, CSS, JavaScript, and Python. Possesses strong communication and leadership skills, effective time management, and a quick learning ability.
- Certified Sun Java Programmer (SCJP) with a Master's degree in Computer Science.
- Open to relocation, seeking challenging opportunities to drive innovation and growth in dynamic environments.
- Adept at managing workloads and meeting challenging deadlines with a strong understanding of web technologies and frameworks.

TECHNICAL SKILLS:

Languages:	Java 8/11/17, J2EE, HTML5, CSS3, SQL, PL/SQL, Perl
Operating system:	Windows 10/11, UNIX, Linux, Solaris
Java Technologies:	Core Java 8/11/17, JDBC, Hibernate 5.x, JSF 2.x, JSP, Servlets, EJB 2.x/3.x, JMS, Java Swing, Docker, Maven 3.x, Apache Kafka 2.x, Apache Spark 3.x, JUnit 4.x/5.x, JAXP, JAX-RS, JPA 2.x, Spring Boot 2.x, Spring MVC 5.x, Spring Security 5.x, Kubernetes 1.x, OpenShift container, CI/CD
Frame Works:	Struts 1.x/2.x, Hibernate 3.x/5.x, Spring 2.5/3.0, React JS 16/17, Angular 2/4/6/10, Node.js 12/14/16, Express.js 4.x
XML Technologies:	XML, SAX, DOM, XSL, XSLT, XPath, WSDL, SOAP, Rest API, UDDI
Web Technologies:	Angular 2/4/6/10, React JS 16/17, Node.js 12/14/16, HTML5, CSS3, JavaScript ES6+, AWS, Bootstrap 4/5, Tailwind CSS 2.x, Webpack 4/5
Servers:	IBM WebSphere 6.x/5.x, BEA WebLogic 8.1/9.1, Apache Tomcat 5.x/6.x, JBOSS 4.x/3.x, NGINX, Apache HTTP Server 2.x
RDBMS:	Oracle 9i/10g/11g, SQL Server 2008, MongoDB 2.2, PostgreSQL 12/13, MySQL 5.7/8.0, NoSQL

Tools:	Eclipse 4.x, IntelliJ IDEA 2020/2021/2022, WSAD, RAD, Git, Bitbucket, GitHub, JIRA 8.x, Jenkins 2.x, Maven 3.x, Docker Desktop, Terraform 0.12/0.13, Ansible 2.x, Helm 3.x, Postman, ELK Stack
Design patterns:	MVC3, Business Delegate, Factory, Singleton, Repository, Service Layer, Microservices
Version Control:	Git, SVN, CVS, ClearCase, Bitbucket, GitLab
Modeling Tools:	Rational Rose 4.0.
Version Control	CVS, Rational, Clear Case, SVN, and Microsoft Services.
Operating Systems:	Windows 95/98/NT/XP/Vista/7, UNIX, LINUX, Solaris.
Others:	Mockito, Splunk, JIRA, Mockito 3.x/4.x, JUnit 4.x/5.x, Splunk 7.x/8.x, Prometheus 2.x, Grafana 7.x/8.x

EDUCATION:

- Master in computer science | University of central Missouri | Dec 2022
- Bachelor in Computer science | JNTUK | June 2019

CERTIFICATIONS:

- Sun Certified Java Programmer (SCJP) Certification (Java, Developer)
- Sun Certified Programmer for Java Platform, Standard Edition 5(SCJP).

PROFESSIONAL EXPERIENCE:

Client: Enterprise   **Jan 2024 – Till Now**
Role: Java Full Stack Developer
Description: Developed a scalable web application enabling users to access benefits, trade-in options, and hotspots across a broad network. The project utilized modern front-end technologies for interactive user experiences and a robust back-end architecture with REST APIs and microservices. Integrated real-time data updates, secure authentication, and seamless external system communication, hosted on cloud platforms for scalability and high availability.
Roles and Responsibilities:
- Collaborated throughout the Agile development cycle, from gathering requirements to deployment, ensuring alignment with client needs and successful project outcomes.
- Crafted dynamic, responsive user interfaces using HTML, CSS, and JavaScript, leveraging frameworks like React and Angular to deliver modern, interactive web experiences.
- Designed and executed Integration Testing strategies, ensuring seamless data flow between microservices and third-party systems.
- Developed and maintained test scripts for API and backend validation using tools like Postman, RestAssured, and SOAP UI.
- Automated end-to-end integration tests in a CI/CD pipeline using Jenkins, GitLab CI, and Selenium WebDriver.
- Executed seamless integration with external systems via RESTful Web Services (Spring Boot), handling JSON data exchanges and optimizing backend connectivity.
- Strong understanding of Behavior-Driven Development (BDD) practices to create test scenarios based on user behavior and requirements.
- Proficient in using BDD tools like Cucumber, SpecFlow, or Behave to automate test cases.
- Experienced in collaborating with stakeholders to write Gherkin-based feature files for clear communication of requirements.
- Conducted deep root cause analysis (RCA) using logs, traces, and debugging tools to permanently resolve issues.

- Designed and implemented permanent fixes and enhancements, reducing recurring incidents by 30%.
- Optimized system performance by identifying and tuning SQL queries, JVM parameters, and cloud configurations.
- Implemented high availability (HA) and failover strategies for mission-critical applications.
- Integrated observability solutions (New Relic, Grafana, AppDynamics) to improve proactive issue detection.
- Developed scalable and interactive user interfaces using React JavaScript (ReactJS) with Redux for centralized state management.
- Enhanced application performance by implementing React JavaScript hooks such as useEffect and useMemo for efficient component rendering.
- Built and maintained RESTful APIs using Node JavaScript (NodeJS) and Express to enable secure and efficient backend communication.
- Integrated middleware in Node JavaScript (NodeJS) applications for authentication, logging, and request validation.
- Automated infrastructure provisioning using AWS CloudFormation and Terraform templates.
- Monitored application performance and security using AWS CloudWatch, CloudTrail, and AWS Config.
- Integrated Amazon RDS for relational database needs and optimized queries for better performance.
- Deployed containerized applications using Amazon ECS with Fargate for seamless orchestration.
- Configured IAM roles, policies, and groups to enforce security best practices across AWS services.
- Skilled in integrating BDD frameworks into CI/CD pipelines to ensure continuous testing and feedback.
- Hands-on experience with creating reusable step definitions and maintaining modular test scripts in BDD.
- Developed and maintained scalable, high-performance Java-based server-side applications using Spring Boot, Spring MVC, and Hibernate for efficient data management.
- Implemented secure, performant REST APIs and microservices, applying Spring Security for authentication, authorization, and ensuring smooth client-server communication.
- Acquired proficiency in real-time data processing, integrating WebSocket communication and managing asynchronous operations with Java's concurrency utilities.
- Orchestrated database design and management, writing optimized SQL queries for relational databases (Oracle, MySQL), and applying GIS techniques for location-based features.
- Supervised automated testing efforts using JUnit and Postman, ensuring robust API functionality, and facilitated continuous integration and deployment pipelines in Jenkins.
- Leveraged cloud platforms like AWS and Azure for application deployment, configuring EC2 instances, load balancing, and enhancing system security.
- Collaborated on front-end development using Bootstrap for responsive design, and integrated advanced data processing tools such as Apache Kafka and Spark for large-scale data handling.

Environment: Java 1.8, JavaScript, HTML5, CSS3, SQL, Spring Boot, Spring MVC, Hibernate, React, Angular, Bootstrap, Oracle, MySQL, AWS, Azure, Maven, Jenkins, Git, SourceTree, Postman, Log4J, RESTful APIs, SOAP, JSON, XML, Spring Security, Apache Kafka, Apache Spark, WebSocket, Docker

Client: Florida Power & light
Role: Java Full Stack Developer   **Sep 2022 – Dec 2023**
Designed and implemented a cross-platform web application for real-time data visualization and analytics. Leveraged modern front-end frameworks like React and Bootstrap for responsive design and a dynamic user interface. Built a robust back-end with Node.js and Spring Boot microservices, incorporating secure RESTful APIs and scalable data processing on Apache Kafka.

Roles and Responsibilities:
- Actively took part in complete development of agile methodology from gathering the requirements to testing the application.

- Implemented the front-end using HTML, CSS, and JavaScript and used Ext-JS, AJAX to get the data from the server asynchronously by using JSON objects.
- Developed GraphQL APIs with NodeJS, enhancing data-fetching flexibility for frontend applications.
- Automated cron jobs and scheduled tasks in NodeJS using libraries like node-cron and agenda.
- Enhanced application security in NodeJS by implementing OWASP recommendations and using Helmet.js.
- Deployed and managed NodeJS applications in cloud environments like AWS and Azure for scalability and reliability.
- Provided Level 2 support for enterprise applications, troubleshooting incidents, and resolving issues within SLA timelines.
- Diagnosed and resolved technical issues, including performance bottlenecks, service outages, and connectivity problems.
- Escalated complex incidents to L3 teams, ensuring detailed documentation of root causes and resolutions.
- Utilized log analysis tools (Splunk, Kibana, ELK) to investigate and debug real-time application failures.
- Developed code for user stories (based on user requirements) and successfully approved it from QA.
- Used Web Services (JAXWS) to interact with other external interfaces in order to exchange the data in the form of XML and by using SOAP protocol.
- Developed and maintained server-side applications using Node.js, ensuring scalable and high-performance solutions.
- Integrated Material-UI with ReactJS to create visually appealing and accessible user interfaces.
- Migrated legacy frontend code to ReactJS, improving performance and maintainability across the application.
- Implemented dynamic routing using ReactJS Router for seamless navigation within the application.
- Familiarity with aligning test scenarios with acceptance criteria to achieve comprehensive coverage.
- Expertise in Test-Driven Development (TDD) to write unit tests before actual implementation of features.
- Proficient in using TDD frameworks like JUnit, TestNG, or NUnit to ensure robust test coverage.
- Ability to refactor code effectively while maintaining test integrity under the TDD approach.
- Experience in ensuring that each development iteration is backed by automated tests for continuous improvement.
- Knowledge of writing edge-case scenarios to make applications resilient and error-free using TDD principles.
- Utilized Express.js framework with Node.js to build RESTful APIs, providing efficient and secure communication between client and server applications.
- Implemented real-time features in applications using WebSockets and Socket.io with Node.js, enhancing user experience with live updates and notifications.
- Managed asynchronous operations and data flow using Promises, async/await, and callbacks in Node.js, ensuring non-blocking performance
- Involved in write application-level code to interact with APIs, Web Services using AJAX, JSON and XML.
- Implemented the security for service layer methods using Spring Security.
- Managed and analyzed geospatial data using GIS software (e.g., ArcGIS, QGIS), providing critical insights for urban planning and environmental management projects.
- Developed and maintained geodatabases, ensuring data integrity, accuracy, and accessibility for various departments and stakeholders.
- Created detailed maps and spatial models to support decision-making processes, using advanced GIS techniques such as spatial analysis, geostatistics, and network analysis
- Used Oracle database and wrote complex SQL queries to import the data from various data Sources.
- Implemented advanced Search in the application using XQuery, triples, Semantics and Java APIs.
- Used Maven for build framework and Jenkins for continuous build system.
- Developed Spring SOAP Web services for opening, closing the locker door web service operations.
- Used Spring Boot to create enhanced microservices and implemented the security for service layer methods using Spring Security to provide authentication and authorization to certain business functions.

- Developed the presentation and controller logic for the screens related to my user stories using JSPs, HTML, and bean and form tag libraries.
- Hadoop, J2EE, JavaScript, HDFS, Apache Spark, Sqoop, Apache Kafka, HBase, Scala, Python, Java, SQL Scripting and Talend, Linux Shell Scripting, Cassandra, Zookeeper, Cloudera, Cloudera Manager, Oracle.
- Developed Graphical User Interface (front-end) using JSP, JSF, HTML5, JSTL, CSS, JavaScript, jQuery Backbone and custom tags.
- Utilized Spring Boot framework to accelerate API development and deployment..
- Implemented HATEOAS to enhance API discoverability and navigation.
- Conducted API testing with Postman to ensure compliance and reliability.
- Used JUnit to unit test the modules & Log4j along with Splunk for logging error/debug messages and managing them.
- Established continuous integration (CI/CD) practices and standards for PSCU with Jenkins.
- Spring XML configuration for Camel Integration to messaging XML documents.
- Front-end development utilizing CSS3, Angular and JavaScript leveraging the Bootstrap framework and a Java backend. Developed and maintained responsive web applications using Bootstrap, ensuring cross-browser compatibility and mobile optimization, leading to a 30% increase in mobile user engagement.
- Involved in deploying the application in the AWS cloud environment using cloud template. Also participated in configuring load balancing, LDAP.
- Maintained source code versioning using GIT. Source Tree is used as GUI for GIT.

Environment: Java 1.8, Spring 3.5, Spring Boot, AJAX, JMS, XML, JSON, WSDL, SOAP, REST, JDBC, JAX-WS, JAXB, JavaScript, AWS, UML, HTML5, CSS3, jQuery, Angular JS, Angular 4, SVN, Log4J, JUnit, CI/CD tools, Jenkins, Web Sphere

Client: Choice Bank, Minneapolis, MN   **Oct 2021 – Aug 2022**
Role: Java Full Stack Developer
Description: Developed a reservation and payment platform using Spring Boot, React, and Angular for front-end and integrated microservices with Node.js. Deployed on AWS, GCP, and Azure, optimizing cloud resources and scaling via Kubernetes. Implemented CI/CD pipelines, automated testing, and API security with Spring Security. Collaborated on data analysis and ensured high availability and performance.
Responsibilities:
- Collaborated on the full development lifecycle using Agile methodology, from requirements gathering to application deployment and testing, ensuring timely delivery of user stories.
- Crafted dynamic front-end components using HTML, CSS, JavaScript, and Ext-JS, leveraging AJAX to fetch data asynchronously with JSON for a responsive user experience.
- Executed backend development with Spring Boot to create scalable microservices, enhancing user access to reservation and payment systems.
- Orchestrated the integration of Node.js with MongoDB via Mongoose, optimizing data modeling and ensuring efficient database interactions.
- Facilitated cloud infrastructure management on Azure, AWS, and GCP, optimizing resource usage and improving application uptime by 25%.
- Led incident management and troubleshooting efforts, reducing average resolution time by 40%.
- Developed SOPs, monitoring dashboards, and automation scripts to optimize support operations and minimize manual intervention.
- 30% Enhancement Delivery: Designed and deployed feature enhancements and optimizations to improve system stability and scalability.
- Worked on performance tuning, database optimization, and code refactoring to enhance application efficiency.
- Expertise in bridging the gap between business requirements and technical implementation using BDD.
- Strong ability to drive collaboration between QA, development, and business teams for creating meaningful BDD test cases.
- Built custom charts and visualizations in ReactJS using libraries like D3.js and Chart.js.

- Tested and debugged components in ReactJS using Jest and React Testing Library to ensure functionality and reliability.
- Configured Webpack and Babel in ReactJS projects to optimize the build process and improve load times.
- Implemented middleware in NodeJS for request logging, authentication, and input validation.
- Used NodeJS streams to process and manipulate large files and datasets efficiently.
- Integrated MongoDB with NodeJS using Mongoose for robust data modeling and schema validation.
- Configured clustering in NodeJS applications to improve performance and handle concurrent requests.
- Familiarity with mocking and stubbing techniques in TDD to isolate testing of specific components.
- Proven track record of using BDD to enhance communication between technical and non-technical stakeholders.
- Skilled in maintaining BDD feature files to ensure they remain relevant and up-to-date with changing business needs.
- Experience with advanced TDD practices such as pairing and mob programming to ensure high-quality, test-first coding.
- Knowledge of integrating BDD frameworks with test execution platforms like Selenium, Appium, or Playwright for UI and API testing.
- Proficient in designing scalable and maintainable TDD test suites for complex enterprise applications.
- Adept at using metrics and reports from BDD and TDD frameworks to assess test coverage and application reliability.
- Experience in debugging failing BDD scenarios and TDD tests to quickly identify and resolve issues in the development cycle.
- Expertise in using BDD tools for non-functional testing, such as performance or security testing, by extending standard capabilities.
- Implemented secure and performant RESTful APIs using Spring Boot and Spring Security, ensuring smooth and authenticated communication between services.
- Acquired proficiency in deploying containerized microservices on GCP using Kubernetes and Cloud Run, reducing deployment failures by 30%.
- Supervised the creation of CI/CD pipelines using Azure DevOps and Jenkins, integrating automated testing and improving release cycles by 40%.
- Authored complex SQL queries for Oracle databases, integrating advanced search features and managing geospatial data for better analysis.
- Collaborated on front-end development with React and Angular, using Bootstrap to ensure a responsive and mobile-friendly UI while maintaining a Java-based backend.

Environment: Java, Spring Boot, Hibernate, React, Angular, JavaScript, HTML5, CSS3, Bootstrap, AWS, Azure, GCP, Kafka, Maven, Jenkins, Node.js, MongoDB, Oracle, MySQL, Spring Security, RESTful APIs, JAX-RS, JSON, XML, JUnit, Git, Docker, Kubernetes, Postman, Log4j, Microservices, CI/CD, Kafka, Swagger, Maven.

Client: HCL Technologies, Pune, India   **March 2018 – June 2021**
Role: Java Full Stack Developer
Description: Developed a scalable, cloud-based web application for managing wireline flows. The project involved migrating from a monolithic to a microservices architecture, leveraging Spring Boot, and deploying across AWS, GCP, and Azure for improved scalability and security.
Responsibilities:
- Collaborated on designing and developing wireline flow systems, contributing to business layer and data management components using J2EE architecture.
- Developed web-based systems using Spring MVC, Angular, JSP, JSTL, and AJAX for the presentation layer, with Hibernate for persistence and Spring for business logic.
- Migrated monolithic applications to microservices architecture using Spring Boot and 12-factor app methodology, deploying and scaling services on PCF.

- Implemented RESTful APIs and SOAP web services for seamless communication between distributed systems, ensuring data exchange via JSON and XML formats.
- Facilitated the use of Kubernetes for container orchestration, optimizing deployments on GCP, AWS, and Azure, and reducing infrastructure costs by 30%.
- Utilized React JS to build Single Page Applications (SPAs) with advanced UI features, leveraging Bootstrap for responsive design.
- Orchestrated disaster recovery strategies across cloud platforms (AWS, GCP, Azure), ensuring zero data loss and minimal downtime with automated failover.
- Enhanced security protocols by implementing JWT and OAuth for authentication and authorization in Node.js applications, increasing system security by 50%.
- Managed Kafka cluster setups, working with the Kafka Admin team to ensure high availability and seamless message processing in production environments.
- Supervised the CI/CD pipeline integration with Jenkins and Maven, automating testing and deployment processes, and improving release cycles by 40%.

Environment: Java, Spring Boot, Hibernate, React JS, Angular 2/4, Node.js, MongoDB, Kafka, AWS, GCP, Azure, Kubernetes, Docker, SOAP, RESTful APIs, Maven, Jenkins, HTML5, CSS3, JavaScript, Bootstrap, JUnit, Log4J, JMS, Maven, WebLogic, IntelliJ, Oracle 11g, Git, Kafka, Swagger.