**RAKESH GURRALA**

**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY**:

* Over 10+ years of experience in Cross-Platform applications using Java and J2EE.
* Agile methodologies expertise, particularly in Scrum and Kanban.
* Proficient in front-end technologies: Angular.JS, React.JS, jQuery, Bootstrap, HTML5, and CSS.
* Experience in developing reactive systems: Spring Web Flux, Reactor, Node.js, Express.js, and Angular.
* Specialized in Microservices development with J2EE patterns.
* Expertise in Struts, SPRING MVC, and Spring Boot for J2EE MVC applications.
* Proficient in JSP, Servlets, EJB, JSTL, AJAX, JDBC, Hibernate, and Web Services.
* Hands-on experience deploying microservices using Spring Boot, Spring Cloud, and Docker.
* Knowledge of GraphQL for API development.
* Programming expertise with JDBC, EJB, JNDI, JMS, Servlets, JSP, and Custom tags using Struts framework.
* Strong understanding of SQL databases and experience with NoSQL databases like MongoDB and Cassandra.
* Strong working experience with SQL Databases: MySQL, MS SQL Server.
* Proficient in NoSQL databases like Redis, Cassandra, and CouchDB.
* Familiarity with Apache Kafka and RabbitMQ for asynchronous messaging.
* Proficient with Kubernetes using Helm charts and Operators.
* CI/CD pipelines implementation using Jenkins, GitLab CI/CD, and AWS Code Pipeline.
* Good working experience in Amazon Web Services (Amazon SQS, Amazon EC2, Amazon EKS, S3, Amazon Elastic Load Balancing, Amazon Simple DB, Amazon EBS, Amazon Lambda, and Amazon Cloud Front).
* Extensive experience in Infrastructure Development and Operations involving k Cloud Services, EC2, S3, Lambda, ECS, EBS, Elastic Load Balancers, Elastic Bean Stalk, Amazon RDS, AWS-Lambda, VPC, and IAM Security Groups that are utilized for different environments like Dev, Testing, Production.
* Implemented automated local user provisioning instances created in AWS cloud and Google cloud platform (GCP)
* Knowledge in implementation of Pivotal Cloud Foundry (PCF) services such as Pivotal Container Service, Pivotal Application Service, and Pivotal Functional Service.
* Working Experience on Azure Cloud Services, Azure Storage, SQL Azure, Azure Resource Manager, Azure Storage, Azure, Blob Storage, Azure VMs, Azure Functions, Azure Service Fabric, Azure Monitor, Azure Service.
* CI/CD Automation script writing -Manage and support customer environments in Microsoft Azure cloud.
* Hands-on experience in deploying applications using Jenkins for Continuous Integration and Continuous Deployment.
* Experience in JUnit Framework using Mockito, Easy Mock, Spring JUnit, JMeter, Karma, Jasmine and Protractor.
* Good experience in using Version Control Systems like TFS, Git, Bitbucket for maintaining code repositories.
* Experience in integration tools like Mule ESB, Spring Integration, Apache Kafka, Kafka connect, Kafka proxy and Apache Camel.
* Hands on Experience in integration with JUnit, and Log4j frameworks.
* Knowledge of using Routed Protocols like FTP, SFTP, SSH, HTTP, HTTPS and Direct connect.
* Experience with browser testing, knowledge of cross-browser/cross-platform compatibility.
* Excellent working knowledge and thorough exposure on compatibility issues with different versions of browsers like Internet Explorer, Mozilla Firefox, Safari and Google Chrome.

**TECHNICAL SKILLS:**

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| **Languages** | Java (JDK 1.6/1.7/8/11/17), PL/SQL, C, C++ |
| **Java APIs** | J2EE, EJB, Servlets, JSP, JSTL, Custom Tag Libraries, JAX-RPC, JDBC, JNDI, JMS, JAXB, JUnit, Mockito, AWT, SPRING MVC, Hibernate, Spring AOP, Spring DAO, Spring Core, Spring Security, Spring REST, Spring Boot, JPA, Log4j, Apache Kafka |
| **UI Technologies** | JSP, XML, HTML5, CSS3, AJAX, JSON, JavaScript, jQuery, Bootstrap, React JS, Angular 8/12/14, Node.js, NPM, Typescript, Express, AngularJS |
| **Frameworks** | Spring, SPRING MVC, Spring Rest, Spring Boot, Spring Batch, Spring Security, Spring Integration, Spring DAO, Spring IOC, Hibernate, JDBC, Mean Stack, Apache Flink |
| **Web/Application Servers** | Apache Tomcat, WebSphere, WebLogic, JBoss |
| **Databases** | MongoDB, PostgreSQL, MySQL, SQL, Cosmos DB |
| **IDE’s** | Visual Studio Code, Eclipse, NetBeans, IntelliJ, IBM RAD, WSAD |
| **Build & DevOps Tools** | Maven, Gradle, ANT, Jenkins, GitLab CI, Kubernetes, Docker |
| **Cloud Technologies** | AWS – ECR, S3, ECS, EKS, EBS, ELS, Amazon SQS, RDS, CDN, Security Groups, S3  AZURE- AKS, Web Apps, Azure Functions, ARM |
| **Version Control** | GitLab, GitHub/GitHub Desktop, SVN, CVS, Clear Case, Bitbucket |
| **Testing Tools / Others** | Junit, Postman, SOAPUI, Mockito, Graylag, log4j, Splunk, CloudWatch, JIRA, Pivotal Tracker, Dynatrace, Mocha, Jest, Protractor, Jasmine |
| **Messaging Tools** | JMS, Apache Kafka, RabbitMQ, Amazon SQS |
| **Methodologies** | Agile, Waterfall |

**PROFESSIONAL EXPERIENCE:**

**Sr. Java Full Stack Developer**

**Client:** **Duke Health Technology Solutions, Durham, NC April 2021 to Present**

**Responsibilities:**

* Used agile methodologies expertise, particularly in Scrum and Kanban.
* Created reusable React components using ES6 for building a modular Electronic Health Record (EHR) system. Enhancing code maintainability and enabling easy customization of various EHR sections are key priorities for me.
* Developed a web interface using React, Javascript, and Bootstrap for a patient education platform. The platform provides health information, resources, and interactive content to educate patients about their conditions.
* Implemented a healthcare billing system with a strong focus on code organization and maintainability using SASS and SCSS. This ensures clarity in the codebase for efficient management of billing-related functionalities.
* Implemented a Single Page Application (SPA) for electronic prescription management using React JS and Redux. This user interface allows healthcare providers to manage and prescribe medications digitally.
* Implemented microservices using J2EE patterns to handle patient information. Each microservice focuses on specific aspects, such as demographics, medical history, and insurance details, ensuring modularity.
* Utilized GraphQL for developing a flexible API that allows healthcare providers to query patient data with customized requests, enhancing efficiency and data retrieval.
* Implemented unit tests using Mockito and JUnit for critical components handling health data processing. Used Karma, Jasmine, Jest, and Mocha for testing frontend components, ensuring data accuracy and reliability.
* Implemented Apache Kafka and RabbitMQ for asynchronous messaging in a health event notification system. The system notifies healthcare providers of critical events, such as patient admissions or emergency situations.
* Orchestrated the deployment of healthcare applications on AKS, leveraging Microsoft Azure's managed Kubernetes service to ensure scalability, reliability, and seamless integration with existing Azure services used in the healthcare sector.
* Integrated with Azure AD for identity and access management, enhancing security and ensuring secure access to healthcare applications.
* Implemented Azure Service Bus for reliable and scalable messaging between microservices, enhancing communication in a distributed architecture.
* Utilized AKS for container orchestration, deploying and managing microservices in a scalable and efficient manner.

**Environment**: React JS, Redux, JavaScript, HTML5, CSS3, jQuery, Java 11, Spring 4, PowerBI, Hibernate 4.2, Spring batch, Spring Boot, JPA, JMS, Eclipse, Swagger UI, Log4j, JIRA, Pure XML, Apache Kafka, Kubernetes, MySQL, Azure, Web Services, Microservices, Mockito, JUnit, Jasmine, Eclipse, GitLab.

**Sr. Java Full Stack Developer**

**Client: Amica Mutual Insurance, Baltimore, MD June 2019 to March 2021**

**Responsibilities:**

* Improved policy creation and management UI, leveraging Spring Batch for efficient processing of large transaction volumes.
* Enabled agents and clients to personalize user interfaces for brand consistency and tailored experiences.
* Streamlined operations by integrating our insurance platform with external systems for real-time data exchange.
* Optimized application performance for concurrent transactions, ensuring a responsive system.
* Enhanced application performance by Angular 9 Components for future Angular framework transitions.
* Applied significant knowledge of industry trends and developments to improve service to our clients.
* Used Angular 9 for UI development, Developed HTML views with HTML5, CSS, bootstrap, and Angular 9.
* Streamlined frontend development workflow, automating tasks, and optimizing resource bundling.
* Adopted Microservices architecture for agile operations, independently scaling CRUD capabilities.
* Enabled continuous monitoring for proactive issue resolution, ensuring high availability.
* Developed a modular UI for enhanced maintainability, allowing efficient updates and customization.
* Enhanced claims processing scalability and responsiveness through Microservices and multithreading.
* Implemented Spring boot – Microservices, Spring REST to create REST endpoints and Swagger for dynamic documentation.
* Utilized Golang for backend development in insurance applications, leveraging its concurrency features and performance optimization to create robust and scalable systems for managing insurance policies, claims processing, and customer data.
* Developed APIs using Golang to facilitate seamless integration between different insurance systems and applications, enabling interoperability and data exchange between policy management systems, claims processing platforms, and third-party insurance services.
* Deployed the insurance application on AWS for optimized resource utilization and secure storage of policy documents.
* Deployed Docker contained Spring REST services into AWS EC2 container service using AWS admin console and used lambda to run applications in AWS console.
* Used AWS - EC2, S3, Elastic beanstalk, Elastic Search. Built Docker Images, running on Docker containers.
* Integrated PCF Kubernetes with Pivotal Single Sign-On (SSO) and Spring Cloud Services for identity management and access control, ensuring secure authentication and authorization for insurance customers accessing online services and applications.
* Led a team with varying experience levels to achieve sales and service goals.
* Evaluated new-business applications and complex files for acceptable insurance risks.
* Implemented motivational techniques to enhance employee engagement.
* Conducted regular team and one-on-one meetings for effective communication.
* Reviewed recorded calls to identify coaching and development opportunities.
* Collaborated with representatives and customers to resolve inquiries related to sales and customer service.
* Oversaw the completion of incoming files to ensure proper handling.
* Updated and trained the team on job-related changes as needed.

**Environment**: Angular 9, HTML5, CSS3, JavaScript, AJAX, JSON, TypeScript, Jenkins, REST, SPRING MVC, Spring, Spring Boot (Microservices), Apache Kafka, Docker, JAX-RS, Junit, Mockito, Swagger, SOAPUI, EC2, AWS lambda, Hibernate, Cassandra.

**Java Full Stack Developer**

**Client: USAA Financial Services, San Antonio, Texas, US Dec 2016 to May 2019**

**Responsibilities:**

* Created a Single-Page application for the Travel and Reward section of the Credit Card section for the Client’s Banking department.
* Actively participated in Agile sprint planning meetings, perform daily stand-ups with the team.
* Constantly engaged in discussions about code reviews and assisting the team in achieving its sprint objectives.
* Followed SDLC process to gather project requirements, design the application architecture, develop the front-end and back-end components, and deploy the application to ensure its successful delivery.
* Implemented responsive design and dynamic data rendering in the user interface, creating reusable components and leveraging Angular' s templating and data binding.
* Developed user interface with HTML5, CSS3, SAAS, JSON, AJAX, Angular 6 and TypeScript.
* Applied advanced techniques in SASS and SCSS, making extensive use of variables, mixins, nesting, partials, and inheritance to enhance the efficiency and maintainability of the stylesheets.
* Developed single page application with Angular 6 routing, services, views, directives, and multiple modules.
* Developed a user-friendly financial web application using Ruby on Rails, improving client portfolio management.
* Utilized Golang for backend development in financial applications, leveraging its concurrency features and performance optimization to create robust and scalable systems for managing financial transactions, account data, and trading platforms.
* API Development for Financial Integration: Developed APIs using Golang to facilitate seamless integration between different financial systems and applications, enabling interoperability and data exchange between banking systems, trading platforms, and third-party financial services.
* Optimized system performance and provided maintenance for C and C++ components, ensuring reliability in financial operations.
* Developed a comprehensive portfolio management module using Angular, facilitating the creation, modification, and tracking of investment portfolios for financial advisors and investors.
* Implemented an efficient transaction processing system with Angular, allowing financial professionals to manage and execute transactions, track transaction statuses, and communicate with clients.
* Engineered a risk assessment engine using Angular, enabling financial analysts to assess risk profiles, generate accurate risk scores, and recommend suitable investment strategies based on client preferences and market conditions.
* Designed and developed a client portal with Angular, providing clients with self-service features such as account inquiries, fund transfers, and document uploads, enhancing client satisfaction and engagement.
* Created a real-time market monitoring dashboard using Angular, offering traders and investment managers intuitive tools to analyze market trends, monitor asset performance, and make informed trading decisions.
* Implemented a wealth management platform with Angular, allowing financial institutions to onboard, profile, and manage high-net-worth clients, track investment portfolios, and provide personalized financial advice and services.
* Integrated advanced analytics and reporting tools into the financial sector using Angular, providing executives and stakeholders with actionable insights into portfolio performance, market trends, and financial risk exposure.
* Involved in writing Java API for AWS Lambda to manage some of the AWS services.
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets.
* Worked on creation of custom Docker container images, tagging, and pushing the images.
* Set up CI/CD pipeline process for the application using the Jenkins.

**Environment**: Java 11, Spring 4, Hibernate 4.2, Spring batch, Flink, Spring Boot, JPA, Kafka, JavaScript, HTML5, CSS3, PCF, Eclipse, Drools, JBPM, jQuery, PL/SQL, MySQL, AWS, ILOG, log4j, Junit, Gradle, TestNG, ActiveMQ, RabbitMQ, XML, Docker, Web Services, and SOAP UI.

**Software Developer - Java Full Stack**

**Client: IBing Software Solutions Private Limited Hyd, India Sep 2015 to Oct 2016**

**Responsibilities:**

* Utilized Angular Templates, directives, Routing, Components, Services, and Data binding for scalable SPA code.
* Deployed Spring Boot Microservices on Docker and Amazon EC2 containers through Jenkins.
* Developed Microservices using SPRING MVC, Spring Boot, and Spring Cloud.
* Worked on different development use cases using Struts and tested functionalities.
* Created Struts Action classes employing Struts controller components.
* Utilized Angular for enhancing browsers with MVC capability, constructing dynamic dropdown lists with Ajax and Angular.
* Constructed Struts form beans, action classes, and JSPs following Struts framework standards.
* Implemented database connectivity using JDBC with MySQL as the backend.
* Participated in the development of model, library, Struts, and form classes adhering to MVC principles.
* Employed display tag libraries for decoration and display tables for reports and grid designs using JSP.
* Identified and developed Rest APIs using the Java Spring Boot framework as required.
* Managed Java multi-threading in backend components and JavaBeans for applying concurrency management techniques.
* Used Azure networking services for configuring and managing network resources, ensuring secure and efficient communication between different components.
* Implemented ARM templates for infrastructure as code, allowing for consistent and repeatable deployments.
* Developed XML applications using XSLT transformations and created XML documents using STAX XML API for passing structures to Web Services.
* Installed and configured IBM WebSphere application server and HTTP web server for development and production environments.
* Utilized WebSphere Message Broker and Message Queue for routing, transforming, migrating, and enhancing data.
* Used Maven for building artifacts and Log4J for capturing logs and runtime exceptions. Monitored error logs for issue resolution.

**Environment**: J2EE, EJB, Struts, spring, Servlets2.1, JMS, Confidential MQ, XML, SOAP, WSDL, JDBC, JavaScript, XSLT, XML, UML, HTML, JNDI, MySQL, PL/SQL, IBM WebSphere 6.0, Log4J, Ant, JUnit, Confidential RAD, and Apache Tomcat.

**Java Full Stack Developer**

**Client: Hudda InfoTech Private Limited Hyderabad, India Aug 2013 to August 2015**

**Responsibilities:**

* Designed User Interfaces with React JS, XML, HTML, CSS, and JavaScript.
* Implemented React JS view and rendering, utilizing Redux and Flux for state management.
* Implemented React container and components, focusing on Stateless and Functional components.
* Used React JS for templating and developing reusable components.
* Utilized React for efficient data flow architecture, developing a lightweight web app for GitHub API project searches.
* Developed persistence layer (DAO) and presentation layer (controllers) using J2EE design patterns like Model View Controller, Data Access Object, and Business Delegate.
* Deployed Spring Boot-microservices Docker containers on AWS EC2 container services.
* Actively participated in JDK version upgrades and security patches, ensuring compliance with the latest Java standards.
* Tested SOAP web services endpoints using SOAP UI tool.
* Conducted unit testing by writing test cases and test suites with JUnit.
* Created servers on AWS, launching EC2 instances, configuring IAM, ELB, Route 53, and SNS.
* Worked with continuous build integration (CI/CD) tools, specifically Jenkins.

**Environment**: Java, JDK1.5, Struts1.2, React JS, HTML, CSS, JavaScript, JSP1.2, Servlets, HTML, CSS, JDBC, JavaScript, Log4J, ANT, Hibernate3.0, Ajax, Eclipse, JBOSS and LINUX.

**EDUCATION**

Bachelor of Technology in Computer Science and Engineering, Hyderabad, India **Aug 2010 - May 2014**