**RAKESH RAMESH**

**Email ID: rakeshram3112@gmail.com**

**Number: 9722928221**

**LinkedIn:** **<http://linkedin.com/in/rakeshram3112>**

**SUMMARY:**

* Around 9+ years of professional IT experience with full project lifecycle development in Java Platform EE/J2EE technologies which include Requirement analysis, Design, Development, Testing, Deployment and Maintenance of enterprise software applications.
* Expert level skills in development of e - business, B2B applications, service delivery Inter/Intranet applications using J2EE specifications.
* Developed scalable and high-performance Node.js applications using modern frameworks such as Express.js, Nest.js.
* Proficient in TypeScript, possess extensive knowledge and experience in TypeScript, including its advanced features such as generics, decorators, interfaces, and modules.
* Familiarity with JavaScript, Experience working with JavaScript and ability to convert existing JavaScript codebase into TypeScript.
* Experience with popular libraries and frameworks, Experience in working with popular front-end frameworks such as Angular, React, and Vue, as well as Node.js backends.
* Strong understanding of OOP, Knowledge of Object-Oriented Programming principles and design patterns, using TypeScript to implement and refactor code effectively.
* Integrated with various data sources and databases like MongoDB, MySQL, PostgreSQL, Redis, or Elasticsearch using popular Node.js libraries like Mongoose or Sequelize.
* Worked with front-end technologies such as React, Vue, or Angular to build full-stack web applications with Node.js backends.
* Utilized Node.js streams and event-driven architecture to optimize application performance and reduce memory consumption.
* Enhanced application performance by Angular 8 Component based development in view of future Angular framework transitions.
* Responsible for developing the UI pages using Angular 4/8, HTML5, CSS3, JavaScript, PrimeNG and Bootstrap.
* Proficiency in developing web-based GUIs using JSP, HTML, and JavaScript.
* Expertise in XML related technologies like XML, DTD, XML Schema, SOAP, XSLT, X-PATH, SAX, DOM, JAXB, XML Beans and AJAX.
* Developed core modules in large cross-platform applications using Java J2EE, Spring Boot, Spring, Hibernate, JMS, JDBC, Web Services (SOAP, REST), Microservice architectures.
* Responsible for support and maintenance of batch jobs, implemented Spring Batch for huge number of transactions.
* Strong understanding of Microservices patterns such as Circuit Breaker/Hystrix.
* Expertise In apache Kafka, Active MQ and Zookeeper apart from JMS as messaging service.
* Experienced in working with Spring JDBC Templates, JMS Templates, Spring Rest Templates.
* Strong Experience in Various Agile methodologies like SCRUM, Test Driven Development (TTD), Incremental and Iteration methodology, Pair Programming, Agile Development &Testing using Software Development Life Cycle.
* Good working knowledge of Extreme Programming using Agile, Waterfall methodology with iterative and incremental software development.
* Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
* Experience with CI/CD tools like Azure Devops, GoCd, concourse, Jenkins.

**TECHNICAL SKILLS**

* **Languages**: Java, J2EE
* **Frameworks**: Spring Boot, Spring Batch, Hibernate
* **Relational Databases**: Oracle 10g/11g/12C
* **NoSQL Databases**: MongoDB, Elastic Search
* **Version Control Tools**: Azure DevOps, GitHub, Gitlab, SVN
* **Performance Testing**: JMeter, parasoft
* **Agile Tools**: SNOW
* **Cloud Environments**: Pivotal Cloud Foundry, Azure, AWS
* **IDE**: Eclipse, IntelliJ, Spring Tool Suite (STS)
* **Operating system**: Windows 10, Linux, Unix
* **Bug tracking Tools**: JIRA, SNOW
* **Methodologies**: Agile, waterfall, TDD (Test-Driven-Development), BDD (Behavioral Driven Development), Scrum
* **Build Tools**: Maven
* **Web Services**: REST
* **Messaging System**: Kafka, JMS, RabbitMQ
* **CI/CD Tools**: Azure Devops, Jenkins, Urban Code Deployment

**EDUCATION**

* Bachelors in computer science from VTU, India. (May 2014)
* Masters in computer science from University of North Texas. (Dec 2018)

**PROFESSIONAL EXPERIENCE**

**AMEX, AZ || Nov 2021 to Till Date**

**Senior AWS Java Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Requirement Analysis, Design, Implementation, Testing and Maintenance.
* Designed and developed multi-tenant Next-Gen point of sale using Spring Boot micro services.
* Migrated IAC base from Terraform 0.11 to 0. 12 latest version.
* Committed to staying up to date with the latest developments in TypeScript, keeping up with new features and best practices.
* Proficiency in designing normalized relational database schemas for PostgreSQL, ensuring data integrity and efficiency.
* Have knowledge of creating and using stored procedures and functions in PostgreSQL to encapsulate business logic within the database.
* Utilized AWS & Google Cloud services to deploy and manage Node.js applications, including EC2, S3, Lambda, or Cloud Functions.
* Proficiency in the Go lang programming language, showcasing your ability to write efficient, clean, and concurrent code in Go lang.
* Have experience in designing and building microservices using Go and have Java skills working with microservices architecture.
* Experience in building RESTful APIs with Go lang, have contributions to server-side development using Go, particularly in building RESTful APIs or real-time applications.
* Proficient in deploying and managing AWS infrastructure using services like EC2, S3, VPC, RDS, and Lambda.
* Created and maintained infrastructure as code (IAC) using tools such as AWS CloudFormation and Terraform.
* Designed and implemented microservices-based architectures using AWS services like AWS ECS or EKS, ensuring high availability and fault tolerance.
* Developed serverless applications using AWS Lambda, API Gateway, and AWS Step Functions.
* Implemented CI/CD pipelines using tools like Jenkins, Travis CI, or AWS Code Pipeline.
* Responsible for front-end UI development using HTML5, SCSS, Typescript, PrimeNG, Angular 12, and RxJS.
* Developed a web application using Angular 12 as front - end and using Web API to receive and pass data to back-end.
* Created Angular 12 components, implemented Interpolation, Input Variables, Bootstrapping, NgFor, Nglf, Router Outlet, event binding, and decorators.
* Implemented Routing to navigate between the components in the application using the Angular router module.
* Created Angular Components, Directives, Services and Reactive Forms to collect the input from User.
* Implemented Services by using Http Client Module in Angular 12 for making the API calls and inject data into the required components.
* Used Jenkins pipelines to push out all micro service builds to the Docker registry and subsequently deploy to Kubernetes, used Kubernetes to create and manage Pods.
* Creating and maintaining Docker container clusters on the Google Cloud Platform under Kubernetes Linux, Bash, GIT, and Docker.
* Used Docker and Kubernetes as the CI/CD system's runtime environment for building, testing, and deploying.
* Contributed to open-source Node.js libraries or created personal projects showcasing Node.js skills.
* Used various Angular 8 custom directives and developed reusable components and templates that can be re-used at various places in the application.
* Worked with Angular 8 to develop single page applications, worked with ngrx for managing Angular applications.
* Proficient in Agile methodologies, including Scrum and Kanban, to support efficient project management and iterative development.
* Collaborated with cross-functional teams to deliver incremental features and adapt to changing requirements.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 8.
* Managed provisioning of AWS infrastructures using CloudFormation and Terraform.
* Built and consumed Restful APIs (JAX-RS) across different components.
* Used Apache CXF for importing WSDLs and consumed Soap webservices.
* Used Hibernate validators for request payload validations.
* Re-designed, re-architected and built the existing application using Java 11, Spring Boot, Spring Reactive Stack (Web Flux).
* Implemented Java EE components using Spring MVC, Spring IOC, Spring transactions and Spring security modules.
* Contributed to the DevOps to automate the build and deployment process using Jenkins, shell scripting, chef, Python, AWS Lambda, Cloud Formation Template.
* Built on-premises data pipelines using Kafka and Spark streaming using the feed from API streaming Gateway REST service.
* Designed and developed the REST based Microservices using the Spring Boot.
* Worked with several testing frameworks such as JUnit, Mockito and Power Mock.
* Experience on implementation of version control software GIT repository.
* Resolving the comments and reviewing of the code committed by peers in the GIT repository.
* Assisting in configuration changes in DB health check properties prior to deployment process.
* Experience in NoSQL database like MongoDB installation, configuration and in designing MongoDB multi-shared cluster and monitoring with MMS.
* Experience in working with NoSQL Database like MongoDB to manage extremely large data sets.
* Involved in setting up Test automation and developed cucumber feature files and used Selenium for automated testing with TestNG.
* Used log4j to print the logging, debugging, warning, info statements.
* Used JIRA tool for Issue/bug tracking, monitoring of work assignment in the system.

**Environment**: Java, Servlets, Spring (DI, MVC, AOP), Spring Boot, Microservices JDBC, Hibernate, SOAP, RESTFUL, JSON, XML, AWS, Maven, Jenkins, Log4j, JUnit, SQL, IntelliJ, Apache Tomcat, WebLogic, MongoDB, SPLUNK, JIRA, Kubernetes, Docker.

**VISA || Dec 2017 to July 2021**

**Java Developer**

**Responsibilities:**

* Following existing agile development in a team environment and working with System Development Life Cycle (SDLC) concepts. Troubleshooting, problem solving and debugging.
* Migrated an application developed in Angular 4.0 to Angular 5.0 recently.
* Worked with JASMINE in testing and Protractor for unit testing angular modules.
* Working as Ecommerce Application Support for .com application releases which involves end to end application support throughout the SDLC and release coordination for the Production deployment which includes 3 to 6 projects in a release.
* Implemented Angular Router to enable navigation from one view to the next as the customer interacts with the application.
* Fostered a culture of collective code ownership, encouraging codebase transparency and collaborative problem-solving.
* Experience in designing data models for NoSQL databases, and have expertise in Couchbase, including document structure and schema design.
* Perform CRUD operations, queries, and data transformations using Couchbase's N1QL query language or the Couchbase SDK for Java.
* Implemented data replication, synchronization, and conflict resolution in distributed Couchbase clusters to ensure data consistency.
* Proficiency in using Azure Resource Manager (ARM) templates to automate the deployment of Azure resources.
* Expertise in implementing security measures, including user access control and encryption, to protect PostgreSQL databases.
* Knowledge of Azure services such as Azure App Service, Azure Functions, Azure SQL Database, and Azure Cosmos DB, and ability to integrate these services into cloud solutions.
* Developed Open stack API to Integrate with Amazon EC2 cloud-based architecture in AWS, including creating machine Images and worked on AWS, High Availability Practices and deploying backup/restore infrastructure.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Working on AWS Lambda for event driven workflow, Working on Databases, Creating and Hosting micro services on EC2.
* Experience configuring and managing Azure virtual networks, subnets, and security groups using Azure Network Security Groups (NSGs) and Azure Application Gateway.
* Ability to monitor and optimize Azure resources for performance, scalability, and cost efficiency using Azure Monitor, Azure Advisor, and other tools.
* Familiarity with Azure Active Directory (Azure AD) and ability to configure Azure AD authentication and authorization for cloud applications and services.
* Experience designing and implementing disaster recovery solutions on Azure, including Azure Site Recovery and Azure Backup.
* Created Angular Interceptors and Services for the HTTP requests, response, and error handling.
* Used third party packages for Angular application to achieve the required functionality.
* Used Angular CLI to generate various Angular library components and made them reusable across different applications.
* Updated an existing highly available application from Angular 7 to Angular 8, improving the performance and taking advantage of Differential Loading concept.
* Responsible for renewal of all SSL certs for VISA.com and vendor related certs.
* Deployed and configured infrastructure using Terraform and Ansible.
* Spring Reactive (RX-JAVA) to scale the application and decrease the ideal of CPU Core.
* Developed a test environment using Docker containers and setting up the containers using Kubernetes.
* Implemented Python and Jenkins to develop tools for onboarding microservices that make it simple to create, maintain, and deploy services on Kubernetes.
* Managed Docker containers and Kubernetes clusters using the OpenShift platform.
* Backend functionality and logics, navigations using Struts 2.0, Hibernate, Rest, XML.
* Good experience in SQL/PL SQL queries, procedures, and packages.
* Was responsible to communicate with End client to support the application and analyze the issue and fixed the issue.
* Developed and executed software systems utilizing JavaScript.
* Attended everyday Enterprise Workflow Stand-Up meeting to provide status, thus implementing

Agile (Scrum) Methodology with Test-driven Development.

* Designed Use case diagrams, Class diagrams and Sequence diagrams using UML.
* Experience in TDD, make sure the developed product is good to promote upper environments by unit testing.
* Monitor progress and provide updates to the Project Manager. Involved in developing design document and impact assessment documents.
* Successfully completed the Architecture, Detailed Design & Development of modules Interacted with end users to gather, analyze, and implement the project.
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
* Created JAR, WAR & EAR files and deploy the entire project on to WebLogic Server using Maven, Gradle and Jenkins.
* Worked on creating RESTFUL request and response and generating a WSDL for SOAP request and response.
* Developing web services and integrating clients with services using SOAP and RESTful.
* Designed asynchronous messaging using Java oriented middleware Java Message Service JMS, Developed UI screens using Angular.

**Environment**: J2EE, Spring, Spring Boot, Hibernate, Azure, Spring Security, Spring IOC, Spring MVC, Spring DAO, SOAP, REST, Web Service, JUnit, JPA, Tomcat, log4j, GitHub, Jira, SCRUM, Eclipse, MySQL, Jenkins, XML.

**ICICI, India || Jun 2016 to Aug 2017**

**Java Developer**

**Responsibilities:**

* Used Java 8 new features like Lambda expression with functional interfaces, default, static methods.
* Utilized all java 8 predefined functional interfaces like Predicate, ByPredicate Function, ByFunction, Consumer, By Consumer, Supplier, used primitive type predefined functions and java 8 Method Reference.
* Monitored service health check from Spring Boot admin console using swagger UI registered microservices.
* Implemented the Enhancements requested by Client using Spring Boot framework and developed new micro services using Restful Api’s
* Involved in delivering the hot fixes to the client and maintaining the status of defects accordingly in the spreadsheets.
* Worked on automation and Deployment using configuration Management tool like Chef to provision amazon AWS.
* Implemented development procedures for IVR and speech applications through Java and Web Services and used AWS.
* lambda to run servers without managing them and to trigger to run code by S3 and SNS.
* Involved in provisioning AWS S3 buckets for backup of the application and sync this contents with remaining S3 backups, by creating entry for AWS S3.
* Created Maven builds to build and deploy Spring Boot microservices to internal enterprise Docker registry.
* Worked with several testing frameworks such as JUnit, Mockito and Power Mock.
* Deployed micro-services as restful Java Webservices on Pivotal Cloud Foundry.
* Worked with QA team in writing acceptance tests for BDD using Selenium with runner test classes and feature files written in Gherkins for automation testing.
* Used Junit for unit testing and implemented with Log4j to provide logs of exceptions.
* Used Spring IOC to maintain loose coupling between layers published the business layer as services and injected the necessary dependent components and published cross cutting concerns like Logging, User Interface exceptions, Transactions using Spring AOP and annotations.
* Developed application using Spring Modules following MVC design pattern.
* Have Experience in using GitHub repository to run the Jenkins job for Continues Integration while developing the applications and posting them in GitHub.
* Involved in writing PL/SQL stored procedures for Oracle10g database. Managed and administered all database systems. Prepared formal queries for various reporting requirements.
* Define application problems by conferring with clients; evaluating procedures and processes.
* Validate results by programs. Developing the J2EE Application using IBM RAD 6.0, Oracle Database and Spring IOC Framework and deploying to IBMWAS 9.0 application server.
* Developed Application controllers, Business and Data service modules for the web applications.

**Environment**: Agile, Core Java, HTML, CSS, Angular Js, JavaScript, JSP, Json, XML, Hibernate, JDBC, Spring MVC, Spring Boot, Spring Ioc, Junit, JNDI, Rest Web services, IBM WAS, oracle, Jira, Jenkins(CI/CD), Bitbucket.

**Nerd Wallet, India || Jun 2014 to May 2016**

**Java Developer**

**Responsibilities:**

* Involved in the complete Software Development Life Cycle including Requirement Analysis, Design, Implementation, Testing and Maintenance.
* Designed application modules, base classes and utility classes using core java
* Involved in developing code for obtaining bean references in spring framework using Dependency Injection (DI) or Inversion of Control (IOC) using annotations.
* Used Spring validation and wrote validation rules.
* Developed java modules implementing business rules and workflows using Spring Boot
* Designed and developed GUI screens for user interfaces using JSP, AngularJS, JavaScript, AJAX, XML, HTML, CSS and JSON.
* Extensive usage of RESTful web services throughout modules to communicate with all external system.
* Developed REST web services utilizing business logic for CRUD functionality.
* Used maven to build the project into WAR and EAR files and SVN Version Controlling
* Implemented logger for debugging and testing purposes using Log4j.
* Experienced in TDD, the main process before promoting code using Junit Test cases.
* Responsible for deploying Components to Development environment, System Test Environment (SIT), and User Acceptance Test (UAT) environment using Jenkins (CI/CD).
* Involved in development of a module using JSPs and Servlets
* Coded Java Scripts for performing client-side validations
* Involved in development of Web Services using JAX-WS 2.0 to get data from the SAP System
* Used Tomcat Web Server 5.5 and IBM WebSphere as an application server for development purpose
* Responsible for coding SQL Statements and Stored Procedures for back-end communication using JDBC.

**Environment**: JDK 1.6, UML, Validator, Eclipse 3.5, Oracle WebLogic Application server 10.3, JSP 2.0, Servlets, JDBC, Hibernate 3.3.x, Spring 3.0 XML, SOAP, Junit 4.4, SVN, Log4j, Oracle10g, UNIX, Ant 1.8, Agile Scrum.