

RAKESH N

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PROFESSIONAL EXPERIENCE

TestYantra Software Solutions, India
Senior Software Engineer

Sep 2020 - present

Software Engineer II

NIIT Limited, India
Senior Software Trainer

July 2018 – Aug 2020

Software Trainer

PROFESSIONAL SUMMARY

- 5 years of IT experience in analysis, design, development, documentation, implementing and testing of software systems in Java, J2EE and technologies.
- Strong Knowledge on Application Development using Software Development Life Cycle SDLC using various methodologies like Waterfall, Agile/Scrum.
- Expertise in working with various J2EE technologies including Hibernate, MVC Framework, Servlets, JMS, JDBC, WEB SERVICES
- Strong experience in Spring Framework such as Spring MVC, IOC, REST, DATA JPA, SECURITY, Spring Boot
- Hands-on experience in developing Micro services using Spring Boot & Spring Cloud
- Experience in implementing Java EE design patterns such as MVC, Singleton, DAO, DTO, and Business Delegate in the development of Multi-Tier distributed Enterprise Applications.
- Experience in Configuring and deploying applications on Tomcat 7/8/9 server
- Experience in Java Message oriented middleware API like Java Messaging Service
- Setup /Managing Linux and windows servers on Amazon Cloud (EC2, VPC, ELB, IAM, S3, AMI, Security Groups).
- Experience in Containerization tools like Docker.
- Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like Subversion (SVN) and GIT
- Debugged application codes and improved interface software to improve functionality and performance by 50%
- Code Debugging & Front-end Architecture □ Troubleshoot interface software and debugged application codes to improve functionality and performance by 50%, Developed and implemented front-end architecture to support user interface concepts with 100% accuracy
- Performance Optimization & Features Development □ Monitored and improved front-end performance by 15% and documented application changes & worked on updates, Developed the latest user-facing features using React.js and built reusable components & front-end libraries for future use
- Application Development & UI Designing □ Coordinated with the development team of 35 to discuss user interface ideas and applications, Reviewed application requirements and interface designs to ensure compatibility with existing applications
- Excellent analytical, coordination, and communication skills

KEY SKILLS

- JAVA & J2EE
- Spring and Hibernate Framework
- Scrum and Agile
- Linux Operating System
- SQL & NoSQL (Database's - MySQL, Mongo DB, PostgreSQL, SQLite, Oracle10)
- Html, CSS and JavaScript
- ReactJS
- Docker
- Code Management - Git| GitHub| GitLab| Bit Bucket
- Docker
- Build and Release - Jenkins ,GitLab Runner
- AWS,GCP
- Avaya, Lyra, Cyara Communication Tools
- Security and code analysis tools – Snyk, compliance-buddy, Agent Smith & SonarQube
- Project and Service management Tools – Atlassian products(JIRA, Confluence, JIRA desk), Trello, Taiga & ServiceNow

Projects

1. Ford : Consumer vehicle center, Smart Marketing and ModelE

Client: Ford - Onemagnify org

Project Description:

Consumer Vehicle Center (CVC), Smart marketing(SM) and ModelE are applications built around Ford and Ford dealers for managing the entire process of vehicle management and dealer accessibility to Ford and its end users.

Roles and Responsibilities

- Contributed as a full stack developer for CVC and SM
- Contributed as a Backend developer for ModelE
- Developing of the API's as per the standards of client and requirements
- Handling ADFS token for authentication and authorization for application
- Worked on branch and release management for the applications
- Worked on deploying code via **GitLab Runner** in all environments
- Involved in managing app in **PCF and GCP cloud run** for non-prod environments
- Monitoring applications in GCP Application Dashboards & enabling security complaint capabilities by **Snyk & SonarQube**.

2. All State-MyBenefits, OnCall-Group

Client: All State India Private Limited

Project Description:

Both the applications deal towards voice domain enabling insurance holders to get required information over a toll-free call services without any hassle. This project mainly concentrated on technology like VoiceXML, Java+SpringBoot, Avaya services, Lyra Services.

Roles and Responsibilities

- Contributed as a Backend & Voice developer
- Developing well-structured vxml, grxml codes for call flows
- Conducting software analysis, programming, testing, and debugging
- Involved in deploying code via Jenkins in all environments
- Involved in managing app in PCF
- Developing & Integration of the API's developed from Java Backend to VXML
- Configuring call types & call services in lyra, sql-server
- Involved in call tracing & VDN setup in Avaya
- Monitoring app via data-dog & enabling complaint capabilities by compliance-buddy, Agent Smith & SonarQube.

3. School Expert System (SES)

Client: HITACHI MGRM NET

Project Description:

School Expert System includes complete organizational and institutional level management for schools, with various examination, subject rules, scheduler, teacher substitution modules, and student batch creation. The overall goal of this project was to digitalize the school system and provide both level managements with a full-fledged-architecture.

Roles and Responsibilities

- Contributed as a full stack developer
- Developing well-designed, efficient, and testable code.
- Conducting software analysis, programming, testing, and debugging
- Troubleshooting and resolving the reported issues and replying to queries in a timely manner
- Developing reusable components as per the UX designs
- Integration of the API's developed
- Involved in application design
- Handling QA lifecycle
- Releasing application to different environments
- Following deployment strategies for application

4. One App & CTP

Client: Toyota

Project-Description:

OneApp is an application that supports not only the current generation of vehicles but also past and future generations across geographic locations in a multitude of languages. It is a single customer facing app that a vehicle owner can use to interact with their vehicle for any of their vehicles. OneApp is only a channel that displays the appropriate data/calculations/summaries that are housed on CTP. Results and processing are intended to be performed primarily on the backend CTP application server side.

Roles and Responsibilities

- Analyze user requirements to define business objectives
- Envisioning system features and functionality

- Define application objectives and functionality
- Ensure application designs conform to business goals
- Identify and resolve any technical issues arising
- Create detailed design documentation
- Write well designed, testable code
- Conducting software analysis, programming, testing, and debugging
- Manage communications for both internal and external clients on procedures and measures taken to resolve all support issues.
- Handle development and change requests

5. **Data Processing System Prototype(DPS)**

Client: DPS

Project Description:

DPS was a prototype tool built for managing data from different data sources via capabilities of Apache Spark Engine. It will help to ingest, explore, prepare, manage, and serve data for immediate BI and machine learning needs.

Roles and Responsibilities

- Contributed as a full stack developer
- Developing well-designed, efficient, and testable code.
- Conducting software analysis, programming, testing, and debugging
- Troubleshooting and resolving the reported issues and replying to queries in a timely manner
- Developing reusable components as per the UX designs
- Integration of the API's developed
- Involved in application design
- Handling QA lifecycle

6. **Hancom Office Inc.**

Client: Hancom

Project Description:

Hancom Office, formerly ThinkFree Office, is a proprietary office suite that includes a word processor, spreadsheet software, presentation software, and a PDF editor as well as their online versions accessible via an internet browser.

Roles and Responsibilities

- Contributed as a Java Developer & Cloud Engineer
- Preparing and producing releases of software components
- Support continuous improvement
- Investigating alternatives and technologies
- Presenting for architectural review
- Bug/Issues fixing, application enhancements
- Maintaining security of the application and protected access
- Keystore management of the product customer
- Publishing Hancom Connector apps to different app-stores like Next Cloud etc.

7. **Aloy.ai**

Client: aloy.ai

Project Description:

Aloy.ai is a web-based platform for creating videos with AI avatars. It provides a scalable and cost efficient platform to create videos. Aloy.ai supports around 30+ languages with various avatars & ability to change the background based on user.

Roles and Responsibilities

- Contributing in all phases of the development lifecycle
- Contributed to the design of the database.
- Planning and executing software component releases.
- Creating comprehensive design documentation.
- Ensuring designs comply with specification
- Collaborate with Front-end developers to integrate user-facing elements with server side logic
- Gather and address technical and design requirements
- Used JUnit (TDD) to write unit tests to test all desired functionality.
- Creating integration layers for various Third party services ffmpeg, Google T-S IO..etc.