Ramya Mohan Hegde

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https://www.linkedin.com/in/hegde-ramya | <https://github.com/rhegde1uncc> | My portfolio: https://rhegde1uncc.github.io/

IT Specialist and master’s graduate with 7+ years of experience with significant Expertise in Requirement Analysis, Application Design, Development, Implementation and Testing of mid and large-scale enterprise web applications. Seeking to have challenging career in software development and cloud technologies with growth potential in technical and functional domain where I can apply my technical skill and knowledge in best way possible.

**Technical Proficiencies**

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| **Languages****:** | JavaScript, Typescript, Java/J2EE, HTML5, SQL, CSS, Python |
| **Frameworks**: | Angular, Vue.js, Spring boot, Node.js, JPA, ROBOT framework, Chart.js, D3.js |
| **Databases:** | Oracle, MySQL, Microsoft SQL server, PostgreSQL |
| **Tools & Techniques:** | GIT, Docker, Microservices, Tableau, Adobe XD, JMeter, Jasmine, JIRA, Rally, Postman, Jenkins, Oracle PL/SQL developer, Figma |

**Work Experience**

**The Hartford**

Senior Software engineer | NC, USA | October 2023 – present

**Technologies utilized:** Angular 17(Micro front-ends), Java 8/ 17, Sprong boot, Jenkins, GIT, Udeploy, Oracle database, Nx tool,

**Responsibilities:**

* **Micro Frontend Architecture & Configuration**: Played a pivotal role in the initial phase of developing micro frontends. Led the configuration of the web application UI, including the creation of multiple dynamically loaded, module-federated Angular micro frontends within a monorepo setup using Nx. Configured linting (style, editor, and ESLint), Husky Git hooks, Jenkins builds, NPM package repository configurations, Jest unit test configurations, and integrated SonarQube for continuous code quality monitoring.
* **UI Development & API Integration**: Solely developed various user interfaces and integrated them with backend APIs using Angular 17 and RxJS. Ensured thorough code coverage with Jest-based unit tests. Actively participated in peer code reviews to maintain high-quality code standards and foster team collaboration.
* **Backend Development**: Designed and implemented Java-based REST APIs using Spring Boot, deployed on JBoss servers. Developed unit tests with JUnit and facilitated deployments through Jenkins and Udeploy to ensure seamless production-ready services.
* **Technical Leadership & Feature Development**: Led the end-to-end design and development of multiple small-to-medium features, managing the entire software lifecycle from planning to deployment while ensuring alignment with business requirements.
* **Mentorship & Skill Development**: Mentored junior developers, offering guidance and support to help them advance their skills and become proficient full-stack developers. Facilitated technical knowledge transfer (KT) sessions to improve team expertise.
* **Agile Collaboration & Story Design**: Actively contributed to the user story design process and engaged in daily agile ceremonies, including sprint planning, retrospectives, and backlog grooming to ensure efficient and timely delivery of features.
* **Proof of Concept (POC) & Accessibility**: Engaged in POC activities for selecting the most suitable accessibility testing tools for the UI, evaluating options such as Evinced to enhance accessibility compliance and improve user experience.
* **AI Tools Integration & Developer Education**: Part of a cross-functional AI tools education team, providing knowledge transfer sessions on configuring GitHub Copilot for VS Code and IntelliJ. Promoted best practices for utilizing AI-driven tools to streamline development processes and improve code quality.

**Fidelity Investments**

Software engineer | NC, USA | June 2023 – October 2023

**Technologies utilized:** Java 8, 17, Python, AWS (Lambda, S3, CloudWatch, Step functions), Jenkins, GIT, Oracle SQL developer, ActiveMQ.

**Responsibilities:**

* Contributed to the development of a comprehensive file/data processing solution, handling data from multiple vendors as part of the brokerage security data processing pipeline.
* Utilized a range of Amazon Web Services (AWS) to fetch data from vendor databases, process and transform it in the cloud based on specific business logic, and store the transformed data in cloud-based storage solutions (S3).
* Part of development work for serverless AWS Lambda functions using both Java and Python.
* Implemented automation test cases for the file processing workflow using Cucumber, ensuring the accuracy and reliability of the data flow and transformation processes.
* Actively participated in daily Scrum meetings and collaborated with cross-functional teams in an Agile development environment. Contributed to sprint planning, retrospectives, and continuous improvement of team processes.
* Work involved Building and deploying application using Jenkins for Continuous Integration/Continuous Deployment (CI/CD). Ensured, smooth, and error-free deployment cycles to enhance overall development efficiency and speed.

**Family Leave** (Jan 2022 – May 2023): I took a personal time off right after graduating the master’s degree as I was first time mother at that time. I took off to take care of my baby girl.

**Education** (Jan 2020 – Dec2021): Perused master’s degree in information technology from UNC Charlotte, NC.

**Relocation** (Jan 2019 – Dec 2019):I relocated from India to USA. There was delay in getting my US my work authorization. During this time, I prepared myself for GRE exam aiming to do higher studies.

**General Electric (GE) Aerospace**

Software engineer-Full stack | Bengaluru, India | July 2016 – Dec 2018

**Technologies utilized:** Java 8, Spring boot, Microservices, RESTful APIs, JPA, OAuth2, Angular, Vue.Js, Docker, Junit, Mockito, GIT, Postman

**Responsibilities:**

* **Aviation Web Applications Development**: Contributed to the development of multiple web applications designed to streamline the work of aviation engineers and provide a unified access point via Digital Thread Engineer. Key applications included Data Intelligence, Design Record Book, Data Distribution, and Part Change Management.
* **Frontend Development**: Developed Single-Page Application (SPA) UI pages using Angular and Vue.js, enhancing user experience and performance.
* **Backend Development**: Built backend functionalities using Java REST services, Spring Boot, and Spring Data JPA. Created scalable microservices and integrated them with Spring Data JPA, enabling seamless interaction through RESTful APIs.
* **ORM and Data Management**: Utilized JPA annotations to create Entity classes for ORM mappings and wrote HQL queries to efficiently retrieve and manage data.
* **Security Implementation**: Integrated OAuth2 for securing RESTful web services, ensuring robust authorization and authentication protocols.
* **Test-Driven Development (TDD):** Developed comprehensive test cases using JUnit and Mockito. Configured JMeter for performance testing to ensure application stability and performance.
* **Agile & Task Management**: Worked within a fully agile environment, managing user stories and tasks using Rally to ensure timely delivery and continuous project progress.
* **Mentorship**: Mentored two developers in the team, providing guidance on business requirements and technical challenges, fostering a collaborative and productive environment.
* **Code Reviews & Best Practices**: Participated in peer code peer reviews using Git pull requests, ensuring adherence to coding standards and best practices.
* **Recognition**: Awarded twice for significant contributions to the project’s success, demonstrating consistent excellence and commitment to the team's objectives.

**TATA Consultancy Services**

Systems Engineer | Bengaluru, India | Nov 2012 – July 2016

**Technologies utilized:** Java, Spring MVC, PL/SQL, Hibernate, Postman, Tomcat, Oracle 11g.

**Responsibilities:**

* Contributed to building a web application for investment and insurance policy advisors, including various insurance products and a commission distribution module. Client: **Oman Insurance**.
* Participated in Object-Oriented Analysis and Design (OOAD) and prepared technical documentation for developed modules.
* Developed backend code using Java/J2EE, JSF 2.2, Spring 3.0, and Hibernate 3.0. Worked on POSTMAN tool for testing Web Services.
* Tested web services using POSTMAN to ensure proper integration and functionality.
* Designed dynamic UI pages using JSFPrimeFaces to enhance user experience.
* Resolved technical challenges related to policy endorsement document generation.
* Participated in static and Git code reviews, ensuring adherence to best practices.
* Worked closely with senior developers to meet client requirements and deliver quality solutions.

**Education**

**Master of Science University of North Carolina at Charlotte**

Jan 2020 – Dec 2021 | GPA: 3.9/4

* **Major**: Information Technologyandconcentration**: concentration being** Data science.
* **Major courses:** Web Development, Visual Analytics, Big Data Analytics, Machine Learning, Human Centered Design