

RAJASEKHAR REDDY PERAM

✉ Email ☎ +14097570096 📍 Address 🔗 LinkedIn </> LeetCode 🐙 GitHub

Professional Summary

- Java Full Stack Developer with 3+ years of experience building scalable **Java** and **J2EE** applications, emphasizing **object-oriented programming (OOP)** to enhance software development processes within the **SDLC framework**.
- Expertise in designing and implementing **responsive web designs** and **dynamic user interfaces** using **HTML**, **CSS**, **JavaScript**, and **React.JS**. Skilled in **Spring Boot**, **Spring MVC**, and **Node.JS** for robust backend solutions, enhancing system architecture and integration across platforms.
- Proficient in **DevOps practices**, including **CI/CD pipelines**, **containerization** with **Docker**, and **orchestration** with **Kubernetes**. Extensive experience with **AWS services** such as **EC2**, **ECS**, **EKS**, and **S3**, improving deployment efficiency and system scalability.
- Experienced in **database management** and optimizing queries using **JPA** and **Python-MySQL connector**, alongside developing and testing **RESTful APIs** with **Postman**. Skilled in **Spring Security** for secure applications and effective troubleshooting with **Jenkins** to enhance performance and reliability.

Technical Skills

- **Programming:** C, C++, Java, Python, JavaScript, TypeScript, SQL, Data Structures and Algorithms(DSA)
- **Frameworks/Libraries:** Spring Boot, React, Node.JS, Angular
- **Spring Frameworks:** Spring REST, Spring MVC, Spring Web Flow, Spring Security
- **J2EE Technologies:** Servlets, JSP, JSF, JSTL, JavaBeans, JDBC, Microservices
- **Web Technologies:** HTML5, CSS3, JavaScript, jQuery, XML, Restful API, SOAP web services, GraphQL
- **Cloud/Application Server:** AWS (S3, EC2, Lambda, Cloud Formation, API Gateway, SQS/SNS, EKS)
- **Database:** MySQL, PostgreSQL, MongoDB, Oracle
- **Testing:** JUnit, Pytest, Jest, Mockito, React Testing Library, Cypress, Postman, Jenkins
- **Tools:** Maven, Gradle, Git, GitHub, Docker, Kubernetes
- **Operating Systems:** Windows, Linux, MacOS
- **Methodologies:** Agile, Waterfall, Scrum

Experience

Kaiser Permanente, Oakland, CA

May 2023 - Present

Software Engineer

- Enhanced user experience and increased website engagement by 20% by implementing responsive web designs using **HTML**, **CSS**, and **JavaScript**, improving interface interactivity.
- Enhanced user experience and application efficiency by developing responsive, user-centric web components using **React** and **TypeScript**, optimizing both performance and accessibility.
- Developed test cases with **React Testing Library** and **Jest** for unit and integration testing, and **Cypress** for end-to-end testing, enhancing code quality and reducing bug occurrence by 50%.
- Improved workflow efficiency and reduced API latency by 50% by developing and optimizing **RESTful APIs** with **Spring Boot** and conducting comprehensive testing using **Postman**.
- Enhanced data accuracy by 20% by integrating data binding and validation within **Spring MVC** controllers, streamlining user input processing.
- Improved application performance by 30% by optimizing database queries **JPA** and leveraging caching mechanisms in **Spring Boot**.
- Led the secure migration to an OAuth (PKCE) based login system using **Spring Security** through strategic planning, implementing fail-safe mechanisms, and thorough testing in a staging environment.
- Standardized deployments across distributed systems by using **Docker** for containerization and **Kubernetes** for orchestration, enhancing operational consistency.
- Implemented robust AWS-based production environments, leveraging **EC2** for scalable computing, **ECS** and **EKS** for advanced container orchestration, reducing deployment times by 40%.
- Enhanced data management using **S3** and streamlined resource provisioning with **CloudFormation**, significantly boosting system reliability. Added serverless functions with **Lambda** and secure API interactions through **API Gateway** to improve backend efficiency.
- Enhanced system responsiveness by 70% by deploying a decoupled messaging architecture using **AWS SQS** and **SNS**, integrated with **Jenkins** to automate builds and deployments, improving response times and system reliability.

Skills: HTML, CSS, JavaScript, React, Typescript, Spring Boot, Postman, Spring MVC, Spring Security, JPA, Docker, Kubernetes, AWS (EC2, ECS, EKS, S3, CloudFormation, Lambda, API Gateway, SQS, SNS), Jenkins, Jest, Cypress, React Testing Library.

Paytm, Noida, India**January 2022 - June 2022***Software Developer*

- Developed a Single Page Application (SPA) using **AngularJS**, enhancing user engagement by improving the interface of a delivery driver application.
- Designed and implemented database models, RESTful APIs, and user interfaces with **Python** and **Django**, significantly improving data capture efficiency by 40% through the integration of **Django Forms** for streamlined online user interactions.
- Developed **Python** APIs to monitor and analyze array data at system failure points, accelerating the identification and resolution of critical bugs by 35%.
- Optimized backend performance by developing scalable APIs with **Python FastAPI**, and implemented **multithreading** techniques to handle high concurrency, resulting in a 40% increase in request handling capacity.
- Enhanced database performance by optimizing data retrieval with complex **MySQL** queries executed from **Python**, utilizing the **MySQLdb** package.

Skills: AngularJS, Python, Django Forms, MySQLdb package, Python FastAPI, Multithreading.**RACHITA INFOTECH, Sangli, India****July 2020 - December 2021***Software Engineer*

- Designed, developed, and tested **Java** applications interfacing with **Oracle databases**, writing efficient and effective queries to retrieve and manipulate data.
- Engineered a scalable front-end web application within an internal regression framework using **JavaScript**, optimizing testing for design tools and achieving a 20% increase in user productivity by reducing churn.
- Improved application scalability and maintainability by designing and deploying **Spring Boot microservices**, which resulted in a 20% improvement in system uptime.
- Developed and executed automated test cases with **JUnit**, **Mockito** and **Jest**, leading to a 45% reduction in bug occurrence and a 30% improvement in code quality and reliability.
- Created and documented **RESTful APIs**, utilizing **Postman** for testing, which facilitated seamless integration with third-party services and front-end applications, enhancing user experience and satisfaction.
- Troubleshoot build and deployment issues in **Jenkins**, enhancing performance and generating metrics on master's performance along with job usage.

Skills: Java, Oracle, JavaScript, Spring Boot Microservices, JUnit, Mocha, RESTful APIs, Postman, Jenkins.**Education**

Lamar University, USA**CGPA: 4.0/4.0***Master's in Computer Science*

Relevant Coursework: Java, Analysis of Algorithms, Operating Systems, Computer Networks, Database Management, Cloud Computing, Software Engineering

National Institute Of Technology (NIT) Hamirpur, India**CGPA: 8.29/10.00***Bachelor Of Technology*

Relevant Coursework: C, C++, Data Structures and Algorithms, Computer Networks, Operating Systems, Object-Oriented Programming (OOP)

Personal Projects

Bookstore Inventory Management System

- Developed a Java-based Online Bookstore System to simulate a real-world bookstore, enabling functionalities such as inventory management, user account creation, book purchasing, and order processing using the Java Standard Library.
- Designed and implemented robust features including a review system where users can leave feedback, a rating system to calculate and display average book ratings, and secure payment processing that rounds transactions to ensure precision.

Skills: Java Standard Library**Currency Converter Application**

- Developed a desktop application that converts currency values in real time. This application is based on Java and fetches the latest currency exchange rates from the ExchangeRate-API. Utilized JavaFX to construct a user-friendly graphical interface, facilitating straightforward user interactions for immediate currency value conversions.
- Implemented efficient and secure API requests to ExchangeRate-API to ensure up-to-date currency rates, enhancing the accuracy and reliability of the conversion results.

Skills: Java, JavaFX, Maven, JSON processing with org.json library, Environment variable management with java-dotenv.