

# RAKESH KUMAR REDDY

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## Summary

Results-driven Software Developer with 4+ years of experience in building interactive, high-performance web applications. Proficient in HTML5, CSS3, JavaScript, and modern frameworks like Vue and Node.js. Skilled in version control (Git, SVN), CI/CD tools (Jenkins), and package managers (npm, yarn). Experienced in developing and integrating SOAP and RESTful web services. Adept at monitoring performance with tools like New Relic and optimizing user experiences. Strong background in Agile methodologies (Jira) and collaborative development. Proven ability to deliver scalable and responsive designs that enhance business growth.

## Skills

- **Methodologies:** SDLC, Agile, Scrum, Waterfall
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud Technologies:** AWS
- **Application Servers:** Apache Tomcat, WebSphere
- **Web Technologies:** HTML5, CSS3, JavaScript, TypeScript, Vue.js, AngularJS, Bootstrap, Responsive Web Design, RESTful APIs
- **Languages:** Java, SQL, JavaScript, TypeScript, Python, C, C++
- **Frameworks:** Spring MVC, Spring Boot, Django, Node.js
- **Technologies:** Gradle, Kubernetes, Docker, GitLab CI/CD, AWS
- **Version Control Tools:** Git, GitHub, SVN
- **Other Tools:** Jira, Jenkins, NetBeans, IntelliJ IDEA, J2EE
- **Operating Systems:** Windows, Linux

## Experience

### Software Developer

01/2024 to Current

#### HCL Technologies

United States

- Designed and implemented scalable software solutions using JavaScript, TypeScript, and Node.js within microservices architecture.
- Built and integrated APIs for seamless data exchange and optimized system interactions.
- Configured and managed AWS infrastructure, including EC2, S3, CloudFront, and Elastic Load Balancer, ensuring high availability and performance.
- Deployed applications on AWS using Elastic Beanstalk and containerized environments for scalability.
- Managed dependencies and development environments using NPM for efficient package handling.
- Applied MVC architecture principles for modular and maintainable software development.
- Developed and optimized backend services, ensuring efficient data processing and API performance.
- Designed responsive and interactive components to enhance user experience and application usability.
- Implemented security best practices, including authentication and access control, to safeguard applications.
- Automated deployment and infrastructure management, improving CI/CD workflows and reducing deployment time.

### Software Engineer Intern

05/2023 to 12/2023

#### Zinnia LLC.

United States

- Built and maintained scalable applications, ensuring seamless integration with APIs for dynamic data processing.
- Designed and implemented modular and reusable components to improve code maintainability and scalability.
- Utilized dependency injection and event-driven communication to optimize component interactions within modern frameworks.
- Applied Agile methodologies such as Scrum and SAFe to manage and deliver cloud-based projects efficiently.
- Used Git for version control and JIRA for project tracking, improving collaboration and workflow efficiency.
- Monitored application performance and system health using observability tools to ensure high availability and quick issue resolution.
- Followed best practices in software development, incorporating Agile methodologies, Pair Programming, and continuous improvement strategies.

### Software Engineer

06/2021 to 05/2022

#### Mindtree

India

- Designed and maintained backend services to support high-transaction environments, ensuring seamless processing and system reliability.
- Enhanced transaction efficiency by optimizing server-side processes and database interactions, reducing processing time by 25%.
- Managed cloud infrastructure, including AWS services such as EC2, Lambda, and DynamoDB, to support scalable and resilient applications.
- Built and optimized RESTful APIs using Spring Boot, facilitating secure and efficient communication between applications and external systems.
- Implemented database performance enhancements, including sharding mechanisms, reducing query latency by 25%.

### Junior Software Engineer

11/2019 to 05/2021

#### OLX

India

- Designed and implemented responsive UI components using HTML5, CSS3, JavaScript, and Vue.js for web applications.
- Built dynamic and interactive user interfaces within a micro frontend architecture to enhance modularity and scalability.
- Applied Agile, Scrum, and Pair Programming methodologies to improve collaboration and development efficiency.
- Developed and maintained Single Page Applications (SPA) to optimize performance and user experience.
- Built and managed APIs and microservices, ensuring seamless integration and scalability.
- Deployed applications on cloud platforms, leveraging AWS services for high availability and performance.
- Automated CI/CD pipelines using Docker, Jenkins, and AWS, streamlining deployment and testing workflows.
- Conducted system analysis to bridge the gap between business requirements and technical implementation.
- Debugged and troubleshoot software issues, optimizing application performance and reliability.
- Used JIRA for issue tracking, Agile project management, and sprint planning.
- Integrated code coverage tools and unit testing frameworks to enhance software quality and maintainability.
- Managed containerized applications with Docker, overseeing image creation, container snapshots, and deployment.

## Education

### Computer Science and Engineering

2021

GITAM University

Hyderabad, India

### Masters of Science: Computer Science

12/2023

University of Missouri-Kansas City

Kansas City, MO