

# Venkata Yekula

## Software Engineer

(913-421-5460) | [venkatakrishnayekula15@gmail.com](mailto:venkatakrishnayekula15@gmail.com) | [LinkedIn](#) | Tx, USA | Open to Hybrid Work and Relocation

### Summary

Around 4 years of Software Engineer experience, proficient in all phases of the Software Development lifecycle (SDLC), including design, development, implementation, deployment, and maintenance. Proven experience in Spring Boot, Spring MVC, Spring Security, Spring Data JPA, and Spring REST, coupled with strong front-end development skills in React.js and Angular, enabling the creation of full-stack, secure, and scalable web applications. Skilled in architecting and deploying cloud-native applications using AWS and Azure, ensuring scalability, security, and high availability. Proficient in CI/CD pipeline automation with Jenkins, Docker, Kubernetes, and Terraform. Skilled in Database development using MySQL, SQL Server, and NoSQL databases using MongoDB in various projects with expertise in deploying Stored Procedures, Triggers, and SQL Queries.

### Work Experience

#### M&T Bank, USA

Sep 2024 – Present

##### Software Engineer

- Leveraged React Hooks (useState, useEffect, useContext, useMemo) to optimize component lifecycle management, reducing unnecessary re-renders and enhancing application responsiveness by 20%, resulting in a smoother user experience.
- Deployed a high-volume, low-latency RESTful API using Spring MVC and Spring Boot, leading to a 20% improvement in application response times and enhancing user experience.
- Developed robust Spring Security configurations for OAuth 2.0 and JWT authentication in finance microservices, ensuring compliance with PCI-DSS standards.
- Streamlined database interactions by integrating Spring Data JPA with Spring Boot, reducing query execution time by 20% and improving data handling efficiency.
- Engineered and deployed microservices-based financial applications using Azure App Services, Azure Kubernetes Service (AKS), and Azure DevOps, reducing deployment time by 40% and achieving 99.98% uptime across production environments.
- Employed and maintained CI/CD pipelines utilizing tools such as Jenkins and GitLab CI/CD. This resulted in a 50% reduction in deployment time and a 20% increase in deployment frequency, demonstrating strong expertise in CI/CD best practices.

#### Fusion Software Technologies, India

Aug 2020 – Jul 2023

##### Software Engineer

- Implemented reusable and modular UI components using Angular Material and Bootstrap, enhancing code maintainability and accelerating development efficiency by 40%, resulting in faster feature deployment and improved user experience.
- Designed and developed APIs leveraging microservice architecture, utilizing Spring Boot for efficient development and JMS for asynchronous communication with RabbitMQ as the message broker.
- Improved robust security measures for RESTful APIs, including authentication, authorization, and data encryption in a 25% reduction in the likelihood of successful security breaches.
- Employed test-driven development (TDD) to design and implement automated and comprehensive unit and integration testing with Testcontainers, JUnit 5, Mockito, and WebTestClient, achieving 92% code coverage for robust RESTful APIs.
- Developed a GraphQL schema that efficiently modeled complex data relationships, enabling clients to fetch only the required data with a 40% reduction in data transfer size and application responsiveness.
- Enhanced application response time using Amazon DynamoDB for high-performance NoSQL data access, reducing latency and improving critical operation responsiveness.
- Collaborated with cross-functional teams in Agile and Scrum environments to meet project milestones and deliver robust solutions, reducing software bugs and application downtime by 40%.

### Skills & Certification

**Methodologies:** SDLC, Agile/Scrum, TDD

**Programming Language:** C, C++, Java, Python, TypeScript

**Frontend:** HTML5, Tailwind CSS3, JavaScript (ES6+), jQuery, Ajax, JSON, XML, React.js, Angular, Bootstrap, Redux

**J2EE Technologies:** Servlets, JSP, JSTL, JavaBeans, JDBC, REST API, Microservices, Multi-threading, Java Networking

**Backend:** Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Spring Cloud, Node.js

**Cloud:** AWS (EC2, SNS, Elastic Beanstalk, Code Deploy, CloudWatch, ELK Stack), Azure

**Testing Framework:** Postman, Mockito, JUnit, Jira

**Database:** MySQL, PostgreSQL, MongoDB, Cassandra, DynamoDB, Oracle

**CI/CD & DevOps Tools:** Git, GitHub, GitLab, Jenkins, Docker, Kubernetes, GraphQL, Grafana, Terraform, Kafka, RabbitMQ

**Certification:** Azure Fundamentals Az-900 (Microsoft - 2022) | Java Database Connection (JDBC) with MySQL | Udemy (Java, SQL, JDBC, Spring MVC, Mastering Collaboration)

### Education

Master's in Computer Science

University of Central Missouri, MO, USA