

# NIKHITHA KASUVOJULA

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## SUMMARY

Experienced Software Developer with expertise in Java, Spring Boot, RESTful API development, and AWS cloud services. Proficient in React for creating responsive interfaces, with a strong background in agile methodologies that deliver scalable and high-performance solutions. Dedicated to continuous learning and staying updated with emerging technologies, I thrive in collaborative environments and am committed to contributing to innovative projects.

## EDUCATION

**Northwest Missouri State University**  
Master's, Computer Science

**August 2022 - December 2023**

**Gokaraju Rangaraju Institute of Engineering**  
Master's, Computer Science

**June 2018 - May 2022**

## SKILLS

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS, C#

**Databases:** MySQL, MongoDB, PostgreSQL, SQL Server

**Frameworks/Libraries:** Spring Boot, React.js, Redux, Hibernate, REST API, Microservices

**Tools & Technologies:** Git, Docker, Kubernetes, AWS, JIRA, Jenkins, Maven, Gradle, Selenium, Swagger, Postman, JUnit, Mockito, IntelliJ IDE, VS Code

## PROFESSIONAL EXPERIENCE

**Tata Consultancy Services**  
Software Engineer

**Remote**

**August 2023 - Present**

- Contributed to all aspects of the agile development lifecycle, including design, development, documentation, testing, and operations.
- Engineered an e-commerce platform with Java and advanced OOP principles, increasing user engagement by 40% and enhancing user experience by 30% with a dynamic, responsive React UI.
- Integrated microservices architecture for scalability and flexibility, enabling independent deployment and management of components for faster development cycles and easier maintenance.
- Architected and deployed over 50 robust APIs leveraging Spring Boot, J2EE, and C# technologies, improving system interoperability by 30% and ensuring secure communication within the e-commerce ecosystem.
- Led comprehensive API testing and documentation procedures with AWS API Gateway, achieving a 25% reduction in bugs and enabling seamless integrations across the platform.
- Automated build, test, and deployment processes using Docker and Jenkins, streamlining workflows and reducing deployment time by 20%.
- Orchestrated database management strategies employing MongoDB and Hibernate, applying advanced OOP principles to optimize performance and scalability for the e-commerce platform.
- Utilized C# to develop high-performance, scalable components within the e-commerce platform, contributing to overall system reliability and efficiency.

**Northwest Missouri State University**  
Graduate Assistant

**Maryville, MO, USA**

**November 2022 - July 2023**

- Developed and deployed a sophisticated blog writing web application, serving a large user base of 5000+ university members, integrating RESTful APIs with a robust MySQL database infrastructure.
- Applied Agile methodology rigorously to oversee end-to-end project lifecycles, ensuring stringent coding standards and exceptional software quality.
- Utilized advanced programming techniques such as multi-threading, asynchronous programming, and parallel processing to optimize task concurrency and enhance system performance.
- Designed and implemented Python scripts and utilized Apache Spark for comprehensive data orchestration, encompassing ingestion, transformation, and synchronization across complex, multi-system environments.
- Architected projects, defined intricate functional programming requirements, sophisticated routing strategies, and innovative UI prototypes, demonstrating proficiency in Java, JavaScript, React, and Angular frameworks.

**Cognizant**  
Software Engineer

**Hyderabad, TG, India**

**June 2021 - July 2022**

- Developed high-performance RESTful APIs using Java and Spring Boot to validate construction standards, achieving a 50% reduction in the construction approval timeline.
- Utilized microservices architecture using Spring JPA, Spring Security, Docker, and AWS cloud services (AWS ECS and AWS RDS), enhancing modularity, scalability, and maintainability.
- Engineered clean and efficient code in Python and Java, leveraging advanced Object-Oriented Programming (OOP) principles, Design Patterns, and Data Structures to optimize system performance.

- Architected microservices using Spring JPA, Spring Security, Docker, and AWS services (AWS ECS and AWS RDS) for seamless database transactions and scalable deployment.
- Implemented comprehensive logging and monitoring solutions using ELK stack (Elasticsearch, Logstash, Kibana) and CloudWatch to ensure system stability and performance optimization.
- Developed fault-tolerant, highly available systems with Docker and Kubernetes, boosting reliability and scalability.
- Collaborated with cross-functional teams to design and implement secure RESTful APIs adhering to industry best practices and standards, ensuring system robustness and security.

## **PROJECTS & OUTSIDE EXPERIENCE**

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### **Scribble Pad**

**Remote**

May 2023 - December 2023

- Built a versatile blog application supporting Student and Admin roles using relational databases with user authentication and authorization.
- Crafted user-friendly interfaces for post categorization and retrieval.
- Implemented effective post filtering and pagination for enhanced visibility and accessibility.
- Engineered a secure OTP-based authentication system to fortify user logins.
- Integrated interactive comment features, enhanced multimedia capabilities by enabling attachment display for posts.
- Implemented loggers with log4j for efficient error tracking and logging