

Ranjith Reddy Nalla

M.Pleasant, MI

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Summary

An accomplished software engineer with a strong background in API integration, web development, and database management, skilled at delivering scalable, compliant solutions. Proficient in frameworks such as Angular, React, and Spring Boot, as well as AWS cloud services, the candidate has a proven track record of integrating third-party APIs and streamlining data processes. Effective in agile environments, this professional collaborates with cross-functional teams to meet complex regulatory and technical requirements.

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, JavaScript, HTML/CSS, ABAP Programming
- **Frameworks & Libraries:** Spring Boot, JUnit, Selenium, Spring, Maven, Angular, React
- **Developer Tools:** AWS, Git, Kafka, Docker, IntelliJ, Eclipse, VS Code, JIRA, Agile Methodologies
- **Core Competencies:** Data Structures & Algorithms, Databases (DBMS), Low-Level Design, Web Development, API Integration

EXPERIENCE

Central Michigan University

Jan 2024 - Dec 2024

Graduate Research Assistant

M. Pleasant, MI

- Evaluated and graded assignments for 80 students in a Database Management Systems course, delivering timely feedback on SQL query optimization, indexing, and normalization.
- Conducted 5 hours of weekly office hours to assist students with complex database concepts, including ACID transactions, indexing strategies, and query performance tuning.
- Clarified core DBMS and system design principles for over 15 students weekly by addressing topics such as relational schema design, denormalization trade-offs, caching mechanisms, and scalability techniques.

CGI

Sep 2021 - Jul 2023

Software Engineer

Bangalore, India

- Engineered and developed 30+ REST APIs using Spring Boot, integrating AWS services and Kafka for real-time data processing to streamline system integration and boost operational efficiency.
- Collaborated in 26+ Agile sprints using JIRA for task tracking, contributing to iterative development cycles and the delivery of high-quality, flexible solutions.
- Implemented Spring Security best practices for authentication and authorization, reducing defect rates by 5% while reinforcing code reliability.
- Facilitated proactive stakeholder communication and promptly resolved issues while optimizing deployment through Docker, achieving a 2% increase in customer satisfaction.

EDUCATION

Central Michigan University

Aug 2023 - May 2025

MS, Information Systems, SAP

PROJECTS

Human Resource Management Self-Services

Jul 2023 - Jul 2023

- Designed and developed 30 high-performance Web APIs using Spring Boot, integrating AWS services, Kafka, and caching techniques for scalable and real-time data processing.
- Utilized SQL and NoSQL databases for efficient and scalable data management, implementing Spring Security for secure authentication, role-based access control, and leveraging Dockerization for streamlined deployment.

Book My Show

Jan 2025 - Jan 2025

- Engineered 10 robust REST APIs to facilitate seamless user sign-up, sign-in, movie ticket booking, and additional core functionalities, supporting scalability for 1,000+ active users.
- Implemented JWT Authentication filter to secure all 10 API endpoints, ensuring data integrity and user privacy.

GRILL - Food Delivery Web App

Dec 2021 - Dec 2021

- Developed a full-stack food delivery application within 4 weeks, leveraging Java microservices and Angular, implementing Spring Security with JWT authentication and password hashing for secure user management.
- Designed and implemented 8 robust REST APIs using the Spring Boot framework to drive core functionalities, ensuring scalability through containerization and optimizing performance with load balancing.

ACHIEVEMENTS

Stand out Performer

- Awarded by CGI for exceeding expectations in back-end development during Q4 2022.