




Ranjith Reddy Nalla

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TECHNICAL SKILLS

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

EXPERIENCE

Central Michigan University

Jan 2024 - Dec 2024

Graduate Research Assistant

Mt. Pleasant, MI

- Graded assignments for 80 students in Professor Norouzi's Database Management Systems (DBMS) course, ensuring timely feedback and accurate assessment on topics such as SQL query optimization, indexing, and normalization.
- Conducted 5 hours of weekly office hours, assisting students with complex database concepts, including ACID transactions, indexing strategies, and query performance tuning.
- Provided detailed explanations of core DBMS and system design principles, bridging knowledge gaps for 15+ students weekly by covering relational schema design, de-normalization trade-offs, caching mechanisms, and scalability techniques.

CGI

Sep 2021 - Jul 2023

Software Engineer

Bangalore, India

- Designed and developed 30+ REST APIs using Spring Boot, integrated AWS services and Kafka for real-time data processing, streamlining system integration and operational efficiency.
- Collaborated in 26+ Agile Sprints using JIRA, implementing best practices in Spring Security for authentication and authorization, reducing defect rates by 5% and enhancing code reliability.
- Maintained effective stakeholder communication, promptly resolving issues and optimizing deployment through Dockerization, resulting in a 2% increase in customer satisfaction.

PROJECTS

Elevate - Student Club Management

Mar 2025

- Developed a full-stack student club management platform using React and Spring Boot, engineering 30+ REST APIs for club-membership management, events, and announcements, optimized for scalability and performance.
- Implemented JWT-based authentication with role-based access control to securely manage user logins, authorization, and sensitive administrative functions, integrated with MySQL database for efficient handling of complex data relationships.

Book My Show

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.

Human Resource Management Self-Services

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.

EDUCATION

Central Michigan University

Aug 2023 - May 2025

MS, Information Systems, SAP

ACHIEVEMENTS

- **Stand out Performer:** Awarded by CGI for exceeding expectations in back-end development during Q4 2022.