

RANJITH NALLA

Michigan, United States

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Summary

Software Engineer with expertise in designing and implementing secure, high-quality code in agile environments. Combines industry experience at CGI Inc. with strong academic credentials, proficient in SQL, Java, and Python, to develop robust, scalable solutions. Adept at technical troubleshooting and collaborating with cross-functional teams to enhance operational efficiency and application stability.

Technical Skills

- **Programming Languages:** Java, Python, SQL, ABAP Programming
- **Developer Tools:** GIT, Selenium, Maven
- **Technologies & Frameworks:** Spring Boot, Angular, JUnit
- **Databases & BI Tools:** MySQL, Tableau, Oracle DB, ETL Process Design
- **Software Development:** System Design, Application Development, Software Development Life Cycle
- **Cloud & API:** AWS S3, AWS RedShift, API Development
- **Methodologies:** Agile Methodology, Object Oriented Programming

Experience

Central Michigan University | Graduate Assistant

Jan 2024 - Present

- Facilitated learning by grading assignments for 20 students enrolled in Professor Javad's Database Management Systems course, ensuring clarity of core concepts.
- Cultivated a supportive learning environment during 5 hours of weekly office hours, resulting in increased student engagement and improved academic performance.
- Delivered prompt and targeted feedback on DBMS concepts to address knowledge gaps for at least 15 students per week, enhancing overall comprehension.

CGI Inc. | Software Engineer

Sep 2021 - Jul 2023

- Collaborated with cross-functional development and testing teams to design and implement secure, scalable software solutions, leveraging strong application development and system design skills.
- Participated actively in 26+ Agile Sprint cycles, employing Agile methodology and writing high-quality code in Java and Python to meet rigorous client requirements.
- Implemented coding best practices that reduced defect rates by 5%, underscoring a commitment to comprehensive testing and adherence to the Software Development Life Cycle.
- Engaged with stakeholders proactively to clarify requirements and troubleshoot technical issues, resulting in a 2% boost in customer satisfaction while utilizing Git and Maven for streamlined version control and build processes.

Education

Central Michigan University

Aug 2023 - May 2025

MS, Information Systems (GPA: 4.0)

- **Coursework:** Data Structures, Low level Design, Algorithm Analysis, Database Management, Software Development, Data Analytics

Osmania University

Aug 2017 - May 2021

BE, Electronics & Communications

Projects

Human Resource Management (HRM) Self-Services

Jul 2023

- Architected and developed up to 30 high-performance Web APIs and implemented scalable Java Microservices using Springboot.
- Provided technical expertise to colleagues on over 20+ Angular development tasks.
- Leveraged expertise in GIT, Jira, Confluence, Postman, DeBeaver, and other backend technologies to optimize development workflows and foster stronger collaboration.
- Utilized both SQL and NoSQL databases to address diverse project requirements, ensuring efficient data management.

GRILL - Food Delivery Web App

Dec 2021

- Spearheaded the development of a full-stack food delivery web application (GRILL) utilizing Java microservices and Angular within a condensed timeframe of 4 weeks (average 4 hours/day).
- Designed and Implemented 8 robust REST APIs utilizing Spring Boot framework to drive functionalities within the GRILL application.
- Leveraged Angular and Javascript to create 5 user-friendly UIs, fostering an intuitive frontend experience for the GRILL.

ACHIEVEMENTS

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