ANDRE D'SOUZA

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SKILLS

- Proficient in Java, Python, C/C++, and C#, demonstrating expertise in object-oriented programming, data structures, and algorithm implementation across diverse application domains
- Highly skilled in utilizing Git and GitHub for efficient version control, collaboration, and code management
- Strong foundation in object-oriented design patterns, enabling the creation of scalable, maintainable, and reusable software solutions
- ·Proven ability to analyze & troubleshoot complex problems, utilize effective algorithms, and select appropriate data structures for optimal performance
- ·Excellent multi-tasking, interpersonal, communication & presentation skills with a proven track record of successfully leading and contributing to high performing development teams
- Experienced in developing user-centric interfaces using React, HTML, and CSS, combining design with functional programming principles

WORK EXPERIENCE

JUNIOR (MES) DEVELOPER

DBG Canada - Corporate Head Office
May 2024 – Present

- Plan, develop, and implement crucial modules for production monitoring within the Manufacturing Execution System for Canada, while also supporting development requests from the US.
- Provide real-time technical support to operations personnel in Canada, US, and Mexico, ensuring timely resolution of all issues.
- Develop comprehensive user guides and establish a centralized knowledge base for troubleshooting technical issues across all manufacturing operations.
- Leading Steering Committee meetings, report on knowledge base status, module differences, and prioritize feature development through an open issues tracker while facilitating cross-functional teamwork
- Provide interactive training to operations personnel on newly developed modules.
- Travel to US and Mexico for training and collaboration with software developers.

EDUCATION

BACHELOR OF ENGINEERING - SOFTWARE ENGINEERING

Toronto Metropolitan University - Dean's List
September 2019 - June 2024

PROJECTS

MULTILINGUAL TRANSLATOR WEB APP

September 2023 - Present

- Constructed a real-time, multilingual web application supporting over 8 languages, utilizing cutting-edge NLP and machine translation to deliver accurate and efficient cross-cultural communication
- Developed robust database schema, implemented real-time communication using SignalR, and designed an intuitive user interface
- Visit https://talkifai.azurewebsites.net/
- **Tech Stack:** SignalR C#, React, MongoDB

SECURE BANKING SYSTEM

March 2024 - April 2024

- Developed a comprehensive banking application fortified with 256-bit AES encryption, RSA key exchange, and HMAC authentication to safeguard customers information
- **Tech Stack:** Java & JavaFX

CERTIFICATES & AWARDS

- Generative AI for Educators, Google, 2024
- Python for Data Science, AI & Development, 2024