

# AARYEN DSOUZA

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, Python, C, SQL, HTML/CSS  
**Frameworks:** React, Node.js, Express, WordPress, Material-UI, Bootstrap, Tailwind CSS  
**Databases:** Oracle SQL, PostgreSQL, MySQL, MongoDB  
**Developer Tools:** Git, GitHub, Docker, VS Code, IntelliJ, Postman, Microsoft Office, Firebase, Figma, Canva  
**Other Skills:** Windows, Linux/Unix (Ubuntu, CentOS), Shell Scripting

## EXPERIENCE

**Software Engineer** | Oracle SQL, MS Excel, Bash/Shell Scripting, Java, JavaScript July 2022 – Mar 2024  
Vermont Information Processing (Acquired Vistaar US in July 2023) Mumbai, India

- Ensured data integrity by conducting data cleaning, preprocessing and validations through Oracle SQL and MS Excel, resolving 95% of data quality issues within 24 hours, and provided detailed analysis reports to stakeholders.
- Reduced issue resolution time by 40% for 100+ customer reported issues by performing in-depth root cause analysis (RCA) on legacy app server and Oracle database, leading to faster issue identification and customer satisfaction.
- Automated ETL workflows by implementing Bash/Shell scripts, optimizing data workflows, and reducing manual interventions by 20%, which led to improved data onboarding efficiency.

## PROJECTS

**Chat App** | React, Typescript, Firebase, Zustand, Tailwind CSS, Git Sep 2024  
[GitHub](#)

- Built a real-time chat application using React, TypeScript, and Firebase, enhancing user interaction with an intuitive and responsive UI.
- Implemented real-time data synchronization and user activity status tracking (Online, Away, Offline), leading to improved usability and engagement.

**Movie App** | React, ViteJS, Tailwind, Git, TMDb API Apr 2023  
[GitHub](#)

- Built a React-based movie application using ViteJS and TMDb API, enabling seamless access to comprehensive movie information.
- Designed and implemented a responsive UI with Tailwind CSS, improving usability across devices and enhancing the user experience.

**Bus Pass Scanner** | React, NodeJs, Express, MongoDB, Material UI, Git Mar 2022  
[GitHub](#)

- Designed and developed a cross-platform bus pass authentication application as part of a 3-member team, enhancing security and efficiency in college transportation.
- Implemented a dynamic, responsive UI using React and Material UI, improving accessibility and user experience across devices.
- Integrated JWT-based authentication, reducing unauthorized access attempts and strengthening the overall security of the system.

**Expenses Manager** | React, JavaScript, CSS, Git Dec 2021  
[GitHub](#)

- Developed an expense management web app using React, implementing state management for dynamic list rendering and enhanced user interaction.
- Designed and integrated bar chart visualizations to improve financial analysis, helping users gain better insights into their spending patterns.

## EDUCATION

**University of Windsor** Windsor, ON  
Master of Applied Computing May 2024 – Present

**University of Mumbai** Mumbai, India  
Bachelor of Engineering - Computer Engineering Aug 2018 – May 2022