RAJESH VANSJALIA

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SKILLS

Programming:	Python, Javascript, Typescript, Java, Go, SQL, HTML, CSS, JSON
Frameworks & Libraries:	React.js, Node.js, Express.js, TailwindCSS, shadcn/ui
Databases:	MongoDB, PostgreSQL, Oracle DB
Tools/Others:	Git, Postman, REST APIs, WebSockets, Jest Unit Testing, Docker

PROJECTS

- **Daoist Dialogue** *Live* - *Github*
  Created a **chat application** inspired by the timeless tales of Xianxia, providing a platform for seamless and engaging dao discussions among daoists. **Real-time messaging** with **online status** updates using Socket.io. Ability to **create** and **join multiple chat rooms** for dao-specific discussions. Secure **JWT** authentication for managing **user sessions**. *Stack: Node.js, Express.js, MongoDB, Socket.io, React.js, TailwindCSS, Shadcn-UI*

- **Wuxia-Lib** *Live* - *Github*
  Developed a traditional library management system with user-friendly **CRUD** operations. **Secure login** and registration system **utilizing sessions**. *Stack: Node.js, Express.js, Pug.js, MongoDB*

- **Todos's to Do** *Live* - *Github*
  Developed a responsive **task management** web application allowing users to create, categorize, and prioritize tasks. Engineered for **offline accessibility** using browser local storage, requiring no user account or internet connection post-load. Features a **sleek UI** optimized for both desktop and mobile devices. *Stack: React.js, TypeScript, Mantine-UI, Vite*

EXPERIENCE

Data Engineer - Deloitte US India — Bengaluru, India
Full-Time — *Sep 2022 - Present*

- Developed **Python automation** scripts using libraries like **pyautogui** to validate data outputs with client-provided Excels, significantly boosting team productivity by automating manual checks.

- **Engineered** a Python program to automate the formatting of complex visuals by analyzing and manipulating the underlying **XML** structure generated by reporting tools.

- Built a Python solution for **robust data handling**, enabling insertion and updates into databases by programmatically managing errors present in flat file data sources.

- Implemented a concise **Javascript solution** to automate repetitive **UI** interactions (selecting **1000s** of security assignments), resulting in an estimated **100x productivity** increase and eliminating a tedious manual task.

- Designed and implemented **data integration** processes using **Oracle Fusion Data Intelligence (FDI)**, modelling data from diverse sources to create unified structures for application use.

- Developed **25+** interactive, data-driven dashboards and reports in Oracle Analytics Cloud (OAC) across various clients, translating complex data into actionable insights for stakeholders.

- Applied **performance** optimization techniques to drastically reduce report/application **load times**, achieving improvements from **6 minutes** down to **8 seconds**.

- Collaborated effectively with business stakeholders to gather, clarify, and translate requirements into technical specifications, managing **100+ user stories** throughout project lifecycles.

- Consistently delivered high-quality technical solutions for diverse clients, earning **Applause** and **Outstanding Performance Awards**, and receiving a Special Shoutout in **Deloitte's Data Intelligence** newsletter.

- Served as the primary **Point-of-Contact** on a recent client project, demonstrating technical ownership and strong communication skills.

EDUCATION

Bachelor of Technology — **2018 - 2022**
Minor in Computer Science — *9.25 CGPA*
Vellore Institute of Technology (VIT) — *Vellore, India*