Ritvik Arora

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EXPERIENCE

MSSQL Database Analyst   Sep 2022 – Present
HCLTech   *Uttar Pradesh, Noida*

- Database Administration for large and complex databases in SQL Server 2022, 2019, 2016, SQL Server 2014.
- Day-to-day activity, backup & restoring of databases, job activity monitoring, view backup history, and manage log files.
- Managed the implementation of critical SQL patches and MSSMS updates, resulting in a 99% reduction in system downtime and increasing database performance by 15%.
- Extensively migrated and upgraded the databases. Using expertise in Always On, Mirroring, and Replication to configure database backup and restore from Cohesity third-party applications.
- Managed database backups and restores for SQL Server high availability, ensuring a 99.9% success rate in data recovery.

PROJECTS

Games Selling Application | *Javascript, MongoDB, Express.js, React.js, Node.js*   **Live | Github**

- Developed a full-stack modern, responsive games-selling web application using **React.js**, enhancing the user experience with a sleek frontend powered by **Material-UI** and **Tailwind CSS**.
- Implemented seamless navigation and efficient state management through **React Router**, ensuring a fluid user experience across the application
- Built a robust **RESTful API** using **Node.js** and **Express.js**, integrating **MongoDB** for data persistence and ensuring secure user authentication with **JSON Web Tokens (JWT)** and **Bcrypt** for password hashing.
- Maintained code quality and best practices using **Axios** for effective HTTP requests between the frontend and backend and **Zod** for runtime type checking and data validation.

Second Brain | *Typescript, MongoDB, Express.js, React.js, Node.js*   **Live | Github**

- A MERN stack and TypeScript application to save and display content from **Twitter** and **YouTube**, with a feature to share dashboards via unique links.
- Designed a modern, responsive UI using **Tailwind CSS** and implemented secure authentication with **JWT** and **bcrypt**, ensuring data integrity. .
- Integrated **Axios** for seamless API communication and **Zod** for robust input validation, delivering a scalable and user-focused content management solution.
- Developed **backend APIs** with **Express.js** and **MongoDB** for managing users, content, and links, implementing efficient data modeling and indexing to optimize query performance.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript
Web Development: : React.js, Node.js, Express.js, HTML, CSS
Tools and Technologies: Git, Material-UI, Bootstrap, Tailwind, VS Code, Eclipse
Database Management: MSSQL Server, MySQL, T-SQL, MongoDB

EDUCATION

Guru Gobind Singh Indraprastha University   Delhi, India
Bachelor of Technology, Electronics and Communication, 8.2 CGPA   *October 2018 – August 2022*