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| **Name** | Vijaykanth Veeraiyan | | |
| **Email** | [v.vijaykanth5@gmail.com](mailto:v.vijaykanth5@gmail.com) | | |
| **Current Role** | Senior Software Engineer | **Number of Years/Months in the role** | 2.8 years |
| **Current Responsibilities** | * Leading a team * Code Design and implementation * Code Review * Gather business requirements. * Handle Stakeholders and business partners | | |
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| **Please describe technical competences you specialize in.**  **Note: use N/A if no experience.** |
| **Front-end Technologies: HTML5,CSS3,JAVASCRIPT,BACKBONEJS,REACTJS**  **Back-end Technologies: NODEJS**  **Databases: MONGODB**  **Cloud Platforms: AWS** |
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| **What is your exposure to building web applications that leverage AI/ML Models? How is the ML model integrated with the application? Please describe using a project you have worked on.** |
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| **Design and implement a web application that would allow users to:**  **Functional Requirements**   * **Upload and persist pricing feeds from retail stores using CSV files which contain Store ID, SKU, Product Name, Price, Date** * **Search for pricing records using various criteria and be able to edit/save changes to any record**   **Non-Functional Requirements**   * **Standard set of non-functional requirements you would expect a retail stores chain with 3000 stores across multiple countries**   **Please feel free to choose the technology stack and frameworks you are comfortable with and implement a single page web application.**  **Expected Deliverables:**   * **Context Diagram** * **Solution Architecture** * **Design Decisions** * **Non-functional requirements considered and how the design addresses them** * **Assumptions** * **Source for the implementation**   **Upload the artifacts and source to your Github repository and include a reference to it as part of the response.** |
| **Client App -> Application server -> DB**  **Design Decisions**   * **React framework – UI and Nodejs – Server, MongoDb - Database** * **Upload the file data from client and write it to file to the folder and read the file from storage and parse the csv to json and store the bulk json in db collection** * **Fetch All – Read the data from database.** * **Update the record – find the record and update the record.** * **Fetch by criteria – find the record which matches the criteria.**   **Non-Functional Requirements**   * **Instead of bloating the browser with huge set of records, we have implemented**   **pagination in client and server-side query**  **Assumptions**  **Users CSV file will contain same set of fields E.g. SKU, store id, product name,**  **User can edit one record at a time.** |