| **Name** | Venkatesh Shanmugam | | |
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| **Email** | catchupvenky@gmail.com | | |
| **Current Role** | MTS 3 Senior Software Engineer | **Number of Years/Months in the role** | 3 |
| **Current Responsibilities** | I am working as chatbot developer who handles both frontend and backend sytem | | |

| **Please describe technical competences you specialize in.**  **Note: use N/A if no experience.** |
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| **Front-end Technologies: React Js, Javascript, Typescript, HTML, CSS**  **Back-end Technologies: Java, Spring Boot, Spring webflux, functional programming**  **Databases: Postgres**  **Cloud Platforms: AWS - Lambda, EC2, cloudwatch, APIgateway** |

| **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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| **Currently I am working as a Chatbot development team in which we have made Alexa as a channel for customer support. We have created multiple skills in the Alexa platform, which are trending for weeks together.   We have implemented the Alexa NLP to understand the queries from the customer and also used Machine Language to leverage the model training. As we cant train Alexa NLP model with all possibilities manually, we Engineered a ML engine that continuously monitor the Fallback that is happening in Live skill and convert those fallback into appropriate Intents .**  **we also used ML to identify the word cloud and possible sentence formation which is used to test the Voice skill** |

| **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.** |
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