

Field	Description
<b>Introduction</b>	<p>This sequence diagram illustrates the backend logic for storing a new job posting. It details the API interaction and database insertion process.</p>
<b>Objectives</b>	<ol style="list-style-type: none"><li data-bbox="1461 371 2293 404">1. To map the POST /api/jobs request payload structure.</li><li data-bbox="1282 491 2293 524">2. To visualize the server-side validation and sanitization of job data.</li><li data-bbox="1205 620 2293 653">3. To confirm the database insertion and the return of the created Job ID.</li></ol>
<b>Functional Requirements</b>	<ol style="list-style-type: none"><li data-bbox="1500 721 2293 754">1. The Frontend sends a JSON object with job details.</li><li data-bbox="1346 840 2293 874">2. The Backend validates the user's session (must be a Client).</li><li data-bbox="1167 970 2293 1003">3. The Database inserts a new record into the Jobs table with status "Open."</li></ol>
<b>Non-Functional Requirements</b>	<p><b>Performance:</b> Job posting should be instantaneous.</p> <p><b>Availability:</b> The posting service must handle high traffic during peak hours.</p>