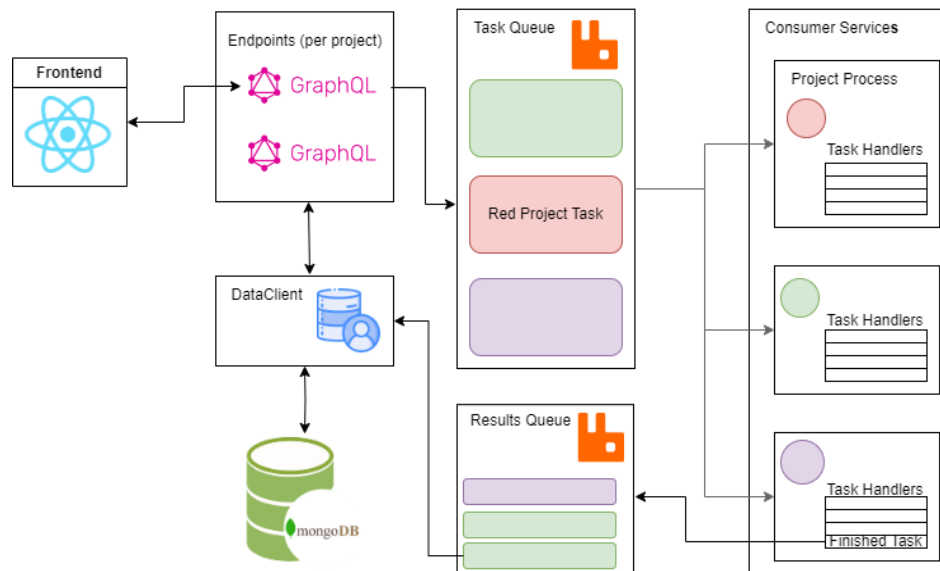


New Structure Vision



- **GraphQL Project Endpoints:**
 - Generate a requestID (instead of the frontend).
 - Send requests to a global nintex-queue-client instance rather than directly to a resolver.
 - Send input to the global data_client instance for upload.
 - Return a "task received" validation message with the requestID.
- **Nintex Queue Client:**
 - Format input into a queue message.
 - Add relevant headers.
 - Upload the message to the queue.
- **Independent Resolver Processes:**
 - Divided into independent processes, each containing tasks for specific projects.
 - Subscribe to the queue and listen for relevant tasks.
 - Upon receiving a task, the consumer will:
 - Remove it from the queue.
 - Handle the task with its project's functions.
 - Send output to the data_client instance for upload and completion update.
- **Data Client Responsibilities:**
 - Format input.
 - Fetch output from results queue
 - Upload data to MongoDB.
- **Frontend:**
 - Poll the requestID returned from the backend to check for updates.
 - Fetch results from the database when complete.