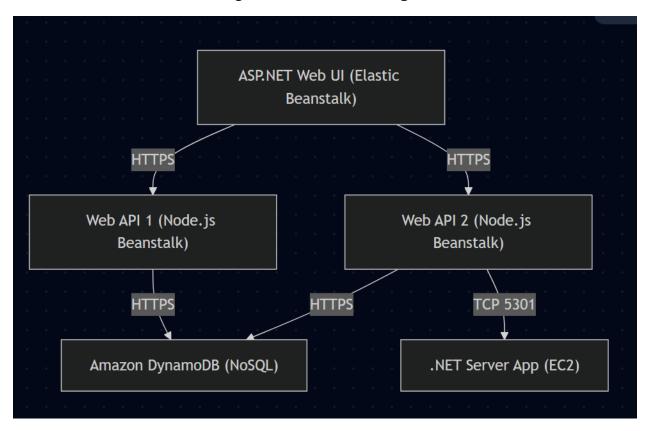
Prompting Workflow (Summary)

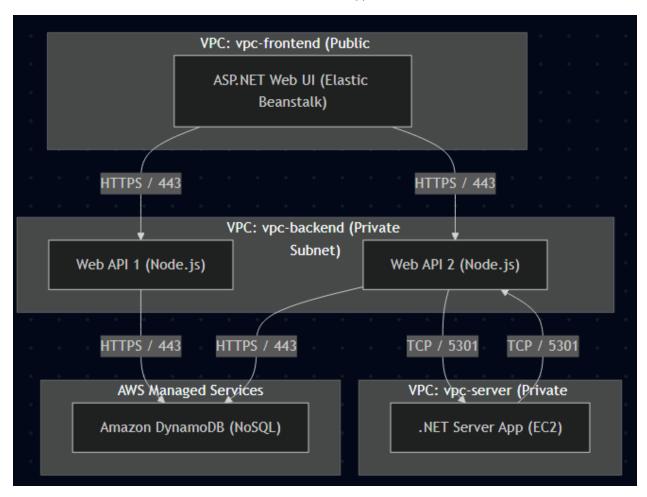
1. Start with a Dataset

- You uploaded an Excel file with 3 sheets containing:
 - Component metadata
 - o Component-to-component relationships
 - o Application-to-resource mappings
- You asked to generate a **Mermaid diagram** from this.



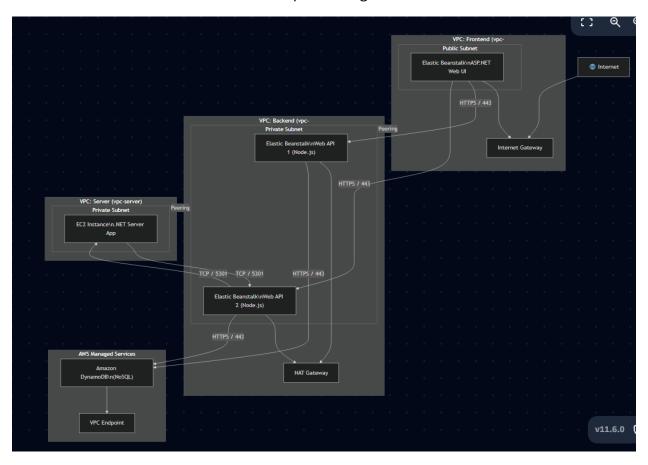
2. Clarified the Diagram Type

- You specified it should be a **networking diagram**, not just a flowchart.
- I created an initial Mermaid diagram based on networking concepts (VPC, subnets, connectivity).



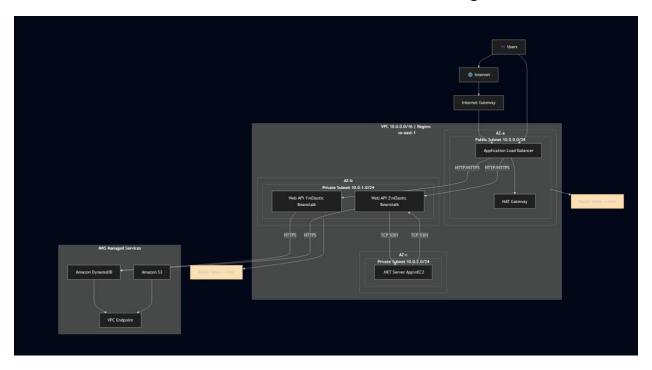
3. Visual Reference Uploads

- You uploaded multiple official-style AWS diagrams showing:
 - o Public/private subnets, AZ separation
 - Internet/NAT gateways
 - o Load balancers, EC2, Beanstalk, S3, DynamoDB
 - Proper routing and traffic flow



4. Requested Improvements

- You asked me to study the diagrams and improve the generated Mermaid code accordingly.
 - The final result mimicked official AWS diagrams more closely:
 - o Included VPC, subnets by AZ
 - Used realistic services and flow
 - Showed route tables, user traffic, managed services



Key Upgrades:

- Zonal awareness: each subnet grouped by AZ
- Visual separation of public and private layers
- Realistic traffic flow from users through ALB to services
- Use of standard AWS components (ALB, NAT, EC2, DynamoDB, VPC endpoint)
- Route table abstraction for networking logic clarity

Final Prompt Style that Worked Best

To recreate a similar diagram, this is the kind of prompt you used (paraphrased):

"Here is an AWS architecture dataset in Excel with component relationships. Generate a Mermaid networking diagram that reflects public/private subnets, traffic flow, availability zones, and AWS services (e.g., ALB, EC2, Beanstalk, DynamoDB, NAT/IGW). Improve the Mermaid code by studying these reference diagrams I uploaded."

