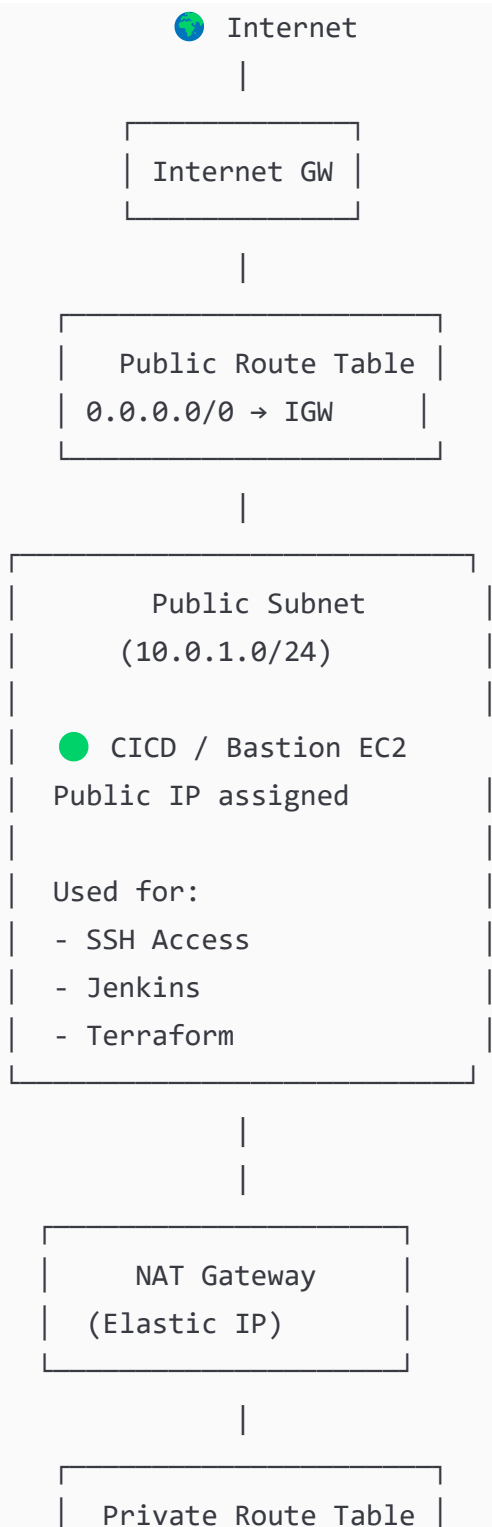


AWS Terraform Infrastructure Diagram (Your Project)

1 Text-based diagram (easy to remember & draw in interview)

2 Mermaid diagram code (you can paste into docs / GitHub / draw.io / Mermaid Live)

AWS Terraform Infrastructure Diagram (Your Project)



0.0.0.0/0 → NAT

|

Private Subnet
(10.0.2.0/24)

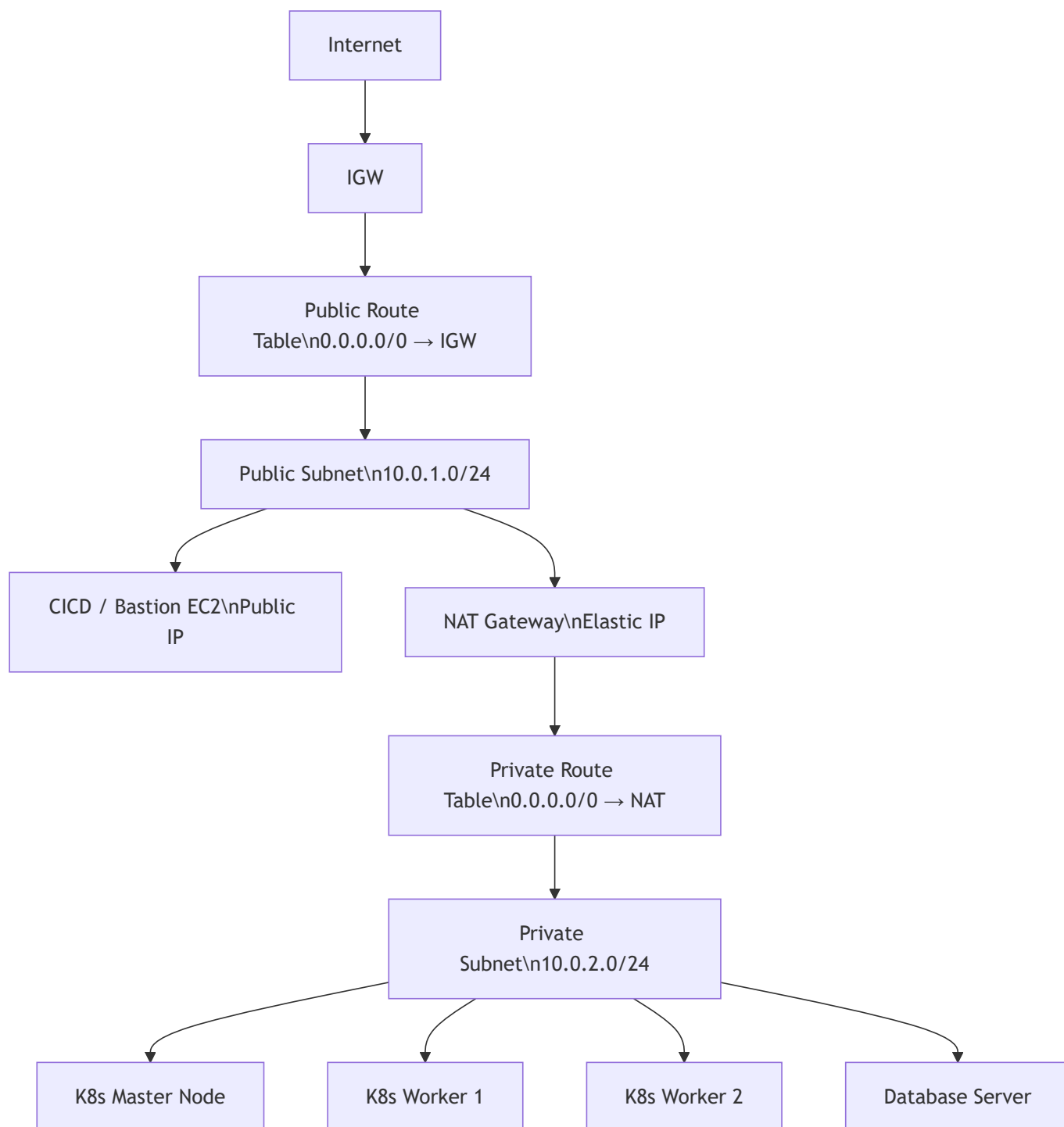
- Kubernetes Master Node
- Kubernetes Worker Node 1
- Kubernetes Worker Node 2
- Database Server
- ✗ No Public IP
- ✓ Access only via CICD (Bastion)
- ✓ Internet via NAT Gateway

🔗 Resource Associations (Very Important for Interview)

Resource	Associated With
VPC	All subnets, route tables
Public Subnet	IGW, Public Route Table
Private Subnet	NAT Gateway, Private Route Table
Internet Gateway	VPC
NAT Gateway	Public Subnet + Elastic IP
CICD EC2	Public Subnet
K8s Master/Workers	Private Subnet
Database	Private Subnet
Security Groups	Control SSH & app access
Key Pair	All EC2 instances

🧠 Mermaid Diagram (Copy-Paste)

Paste this into **Mermaid Live Editor** or **GitHub Markdown**:



Interview One-Line Explanation

“I created a VPC with public and private subnets.

A bastion CICD instance in the public subnet provides secure access to private Kubernetes and database instances.

Private resources access the internet using a NAT Gateway, while inbound traffic is restricted for security.”

 This is **exactly what interviewers want**.