Slide 11: Cloud-Based AI Capabilities Matrix

Objective: Provide a comprehensive comparison of AI/ML services across major cloud platforms to guide technology selection.

Layout Composition:
The slide is a flex-col with a header sized to its content, a main body that grows to fill space, and a footer sized to its content. The main body contains a large table component that fills the available vertical space.

Content Breakdown:

- Block 1:
- Block Type: Text
- Placement: Header section
- Component Schema: "Section Title"
- Content:
  Title: "Cloud-Based AI Capabilities Matrix"
  Subtitle: "AWS, Azure, and Google Cloud AI/ML service comparison"
- Creative Brief: Bold title text-6xl, subtitle text-3xl with 70% opacity. White text.

- Block 2:

- Block Type: Table
- Placement: Main body area, growing to fill available space
- Data:
  Headers: ["AI Capability", "AWS", "Azure", "Google Cloud", "Use Case"]
  Rows: [
  ["ML Platform", "SageMaker", "Azure Machine Learning", "Vertex AI", "End-to-end ML lifecycle"],
  ["Pre-trained Vision", "Rekognition", "Computer Vision", "Vision AI", "Image/video analysis"],
  ["Pre-trained NLP", "Comprehend", "Language Service", "Natural Language AI", "Text analysis, entities"],
  ["Large Language Models", "Bedrock", "Azure OpenAI Service", "Generative AI on Vertex", "Chatbots, content generation"],
  ["Speech Services", "Transcribe, Polly", "Speech Service", "Speech-to-Text, Text-to-Speech", "Voice interfaces"],
  ["Document Processing", "Textract", "Document Intelligence", "Document AI", "Extract data from documents"],
  ["ML Ops & Pipelines", "SageMaker Pipelines", "Azure ML Pipelines", "Vertex AI Pipelines", "Automated ML workflows"],
  ["Model Deployment", "SageMaker Endpoints", "Azure ML Endpoints", "Vertex AI Predictions", "Model serving & inference"],
  ["Feature Store", "SageMaker Feature Store", "Azure ML Feature Store", "Vertex AI Feature Store", "Feature management"],
  ["AutoML", "SageMaker Autopilot", "Azure AutoML", "Vertex AI AutoML", "Automated model training"],
  ["Model Monitoring", "Model Monitor", "Model Monitoring", "Vertex AI Model Monitoring", "Drift detection, performance"],
  ["Recommendation", "Personalize", "Personalizer", "Recommendations AI", "Personalized recommendations"]
  ]

- Creative Brief: Professional enterprise table with clear structure. Header row with slate-700 background and bold white text (text-xl). Use subtle cloud provider brand colors for the provider columns: orange tint for AWS, blue for Azure, multi-color for Google Cloud. Alternate row background colors (slate-800/slate-750) for readability. Text size text-lg for table cells. Last column (Use Case) slightly wider to accommodate descriptions. Add subtle borders between columns. Ensure the table is highly scannable with good spacing.

- Block 3:

- Block Type: Text
- Placement: Below table, within main body area
- Component Schema: "Key Notes"
- Content:
  Note_Title: "Selection Considerations"
  Notes: [
  "Choose based on existing cloud infrastructure and team expertise",
  "All major platforms offer comparable core capabilities",
  "Consider pricing models, regional availability, and compliance requirements",
  "Multi-cloud strategies may be needed for specific use cases"
  ]
- Creative Brief: Compact notes section with slate-800 background, text-base. Four brief bullet points. Icon (Info or AlertCircle) inline with title. Positioned tightly below the table with minimal spacing.

- Block 4:

- Block Type: Text
- Placement: Footer
- Component Schema: "Simple Footer"
- Content:
  Footer_Text: "All capabilities available as managed services with API access | Updated Q4 2024"
- Creative Brief: Centered, text-base, opacity-60.