

Launch Fast, Scale Smart: Building Your First Full-Stack App with Serverless

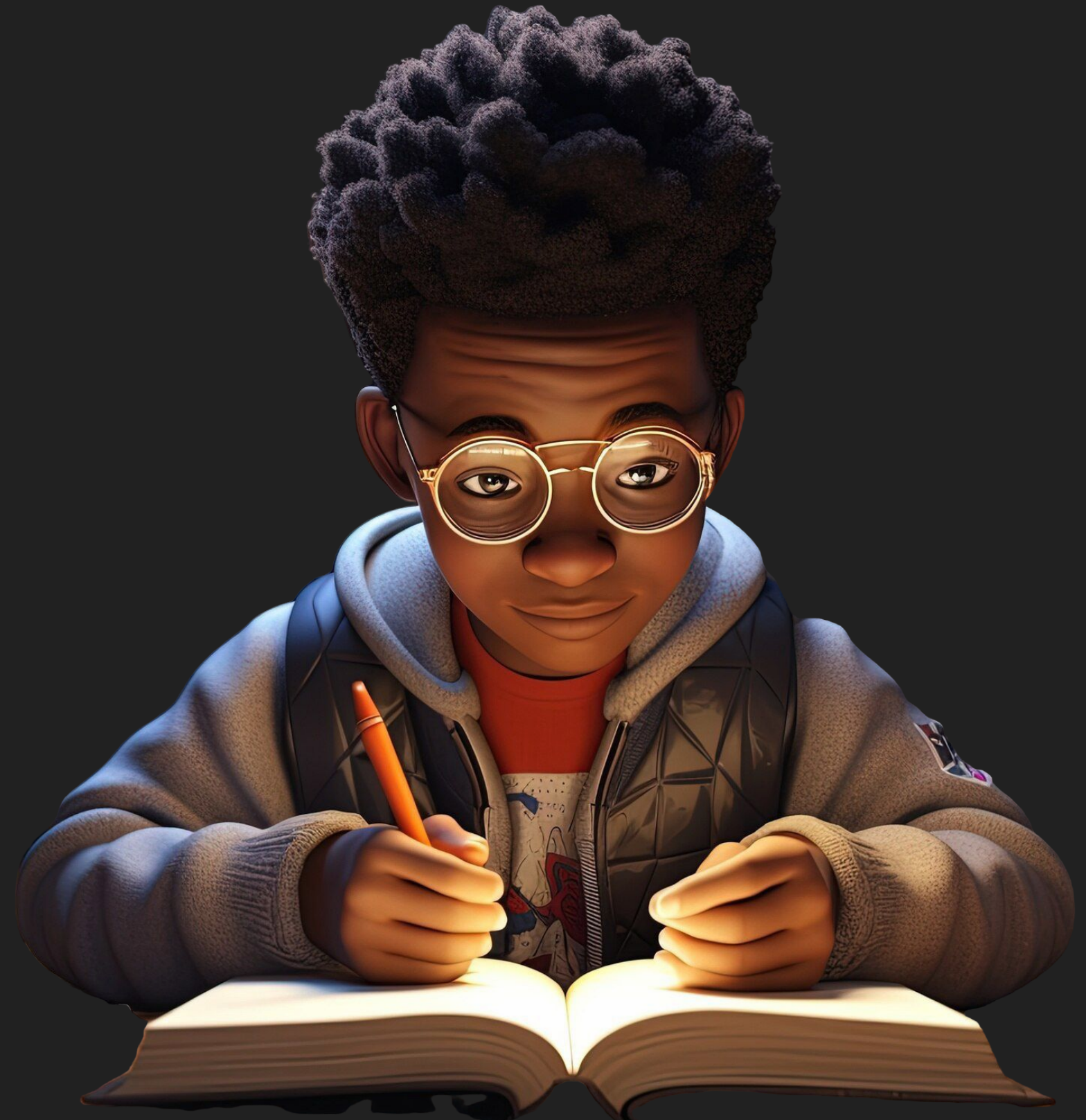
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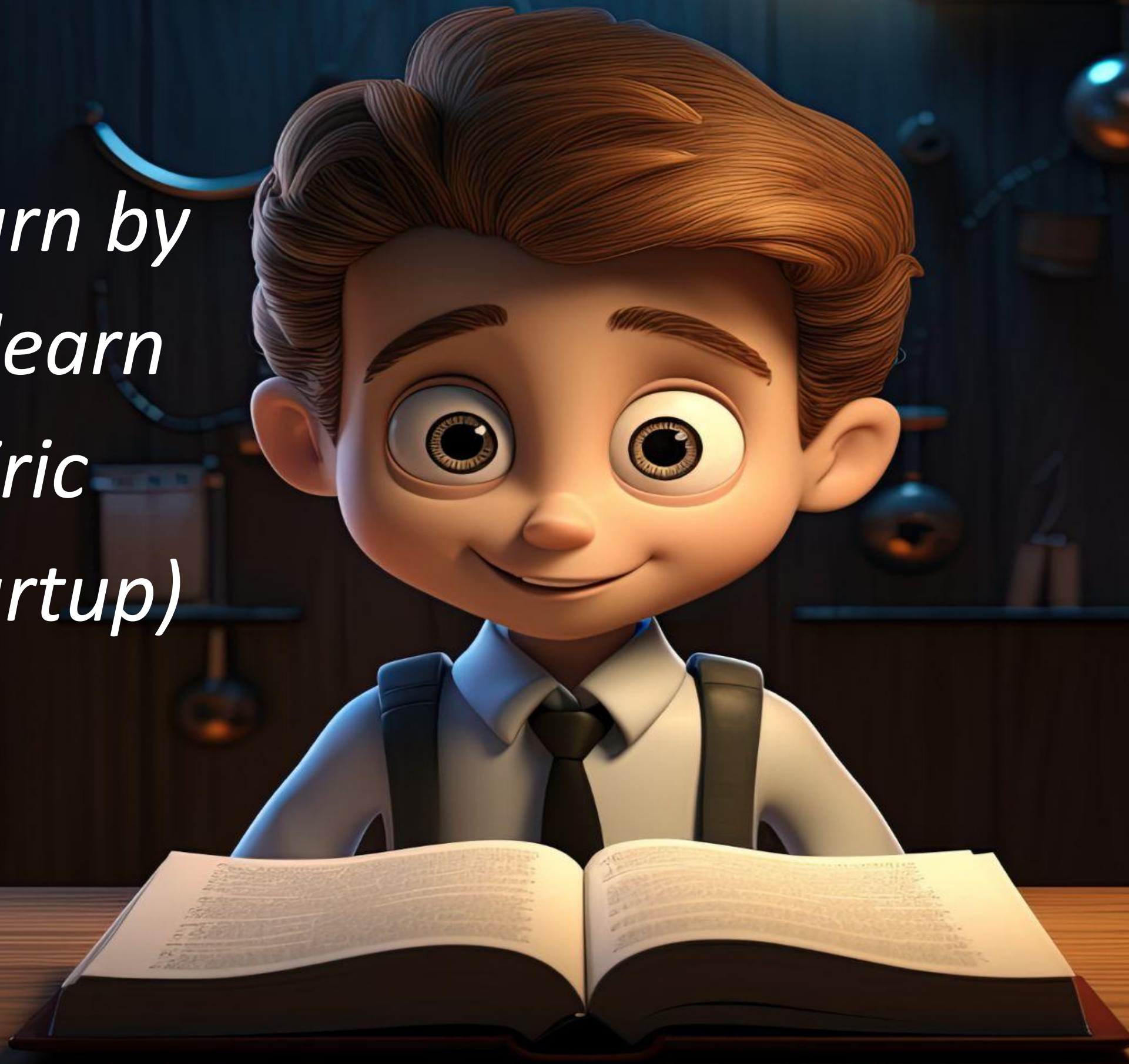
*"The biggest challenge isn't the idea—it's execution.
How do you build fast and smart?"*

What you are going to learn today ?

???



"You don't learn by starting; you learn by doing." – Eric Ries (Lean Startup)



The Shift in Building Applications

Traditional

- Set up infrastructure
- Maintain servers
- Scale manually.

Modern

- Focus on building features while the backend auto-scales

Why Serverless?

✓ Faster development

✓ Lower costs

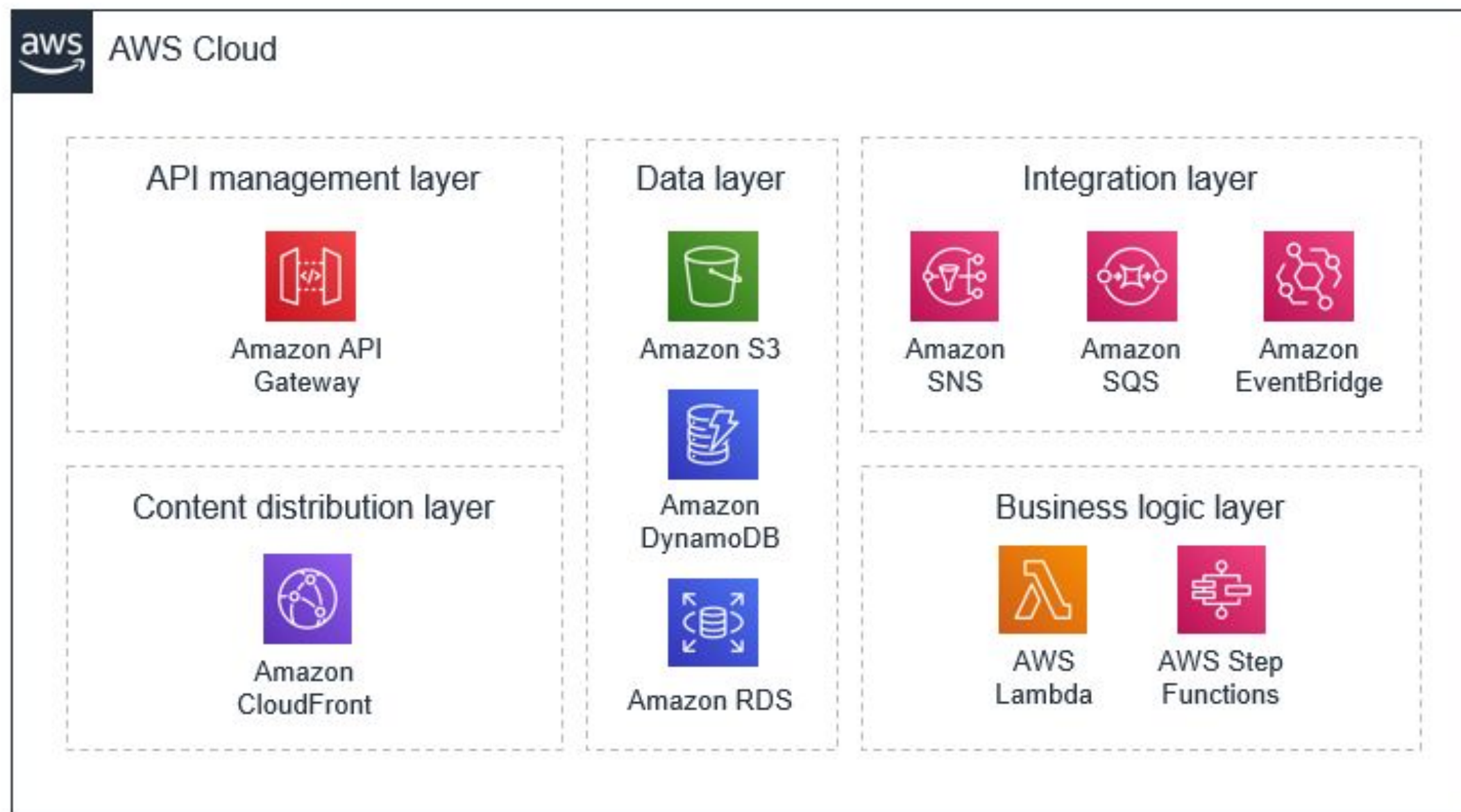
✓ Developer productivity

✓ Flexibility

✓ Scales
effortlessly



AWS Serverless



Cost factor of AWS serverless



LAMBDA

The Lambda free tier includes 1M free requests per month and 400,000 GB-seconds of compute time per month.



SNS

First 1 million Amazon SNS requests per month are free, \$0.50 per 1 million requests thereafter



API GATEWAY

Pay only for the API calls you receive and the amount of data transferred out. For HTTP APIs, the API Gateway free tier includes one million API calls per month for up to 12 month



SQS

You can get started with Amazon SQS for free. All customers can make 1 million Amazon SQS requests for free each month

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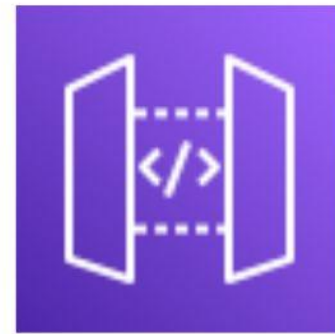
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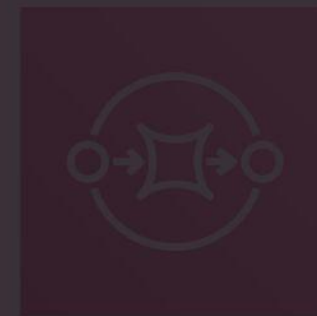
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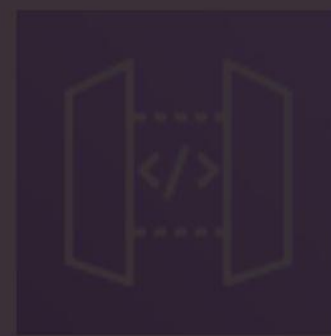
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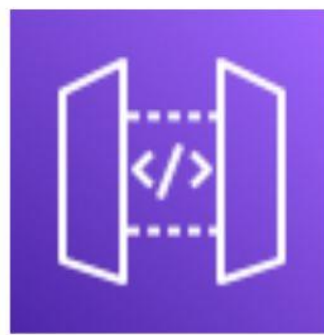
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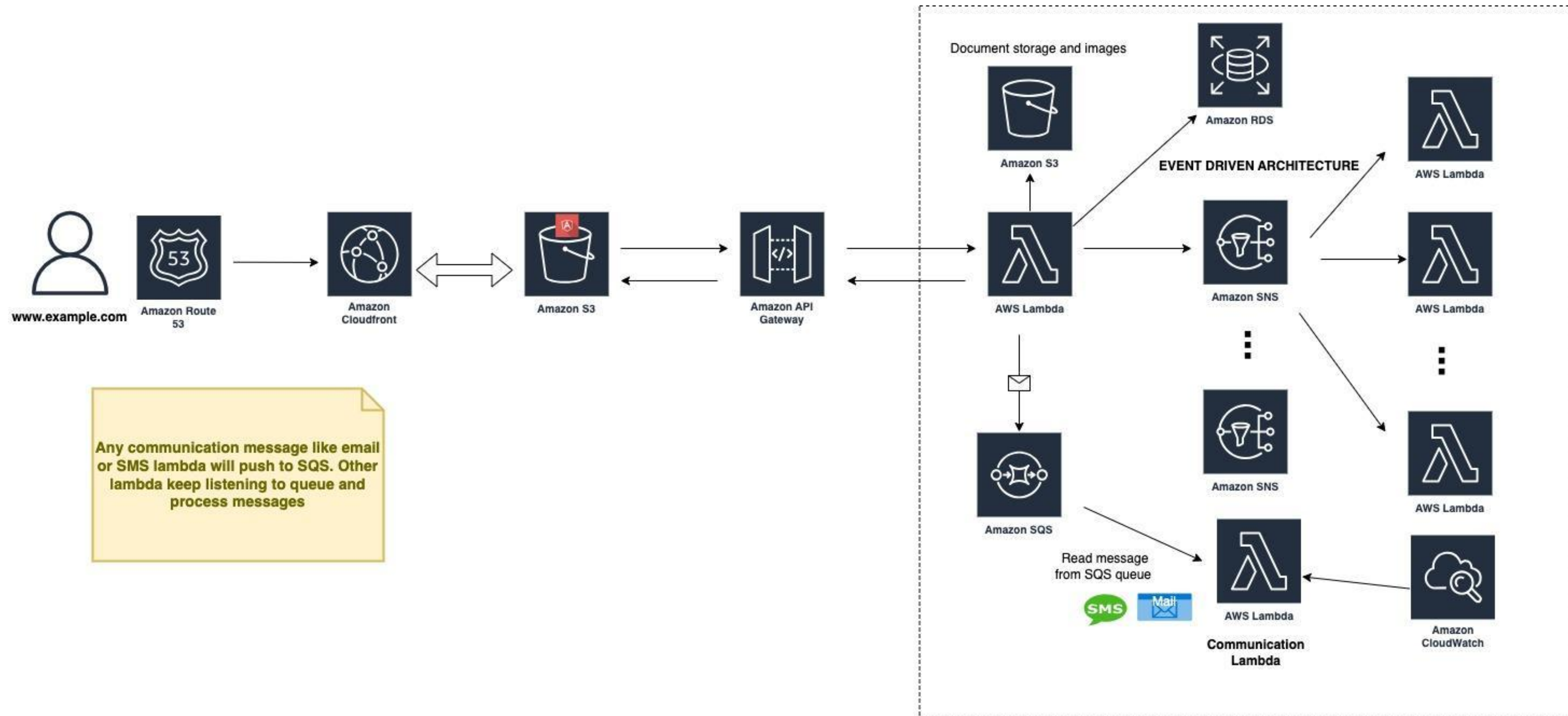
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Build your first app (Simple Steps)

1. Deploy backend functions using AWS Lambda
2. Set up API access with API Gateway
3. Store user data in DynamoDB or Aurora Serverless
4. Authenticate users with Cognito
5. Host frontend using S3 or AWS Amplify

Case study



Common Pitfalls to Avoid 🚨

- ❌ Over-engineering before launching
- ❌ Choosing the wrong tools
- ❌ Ignoring scalability

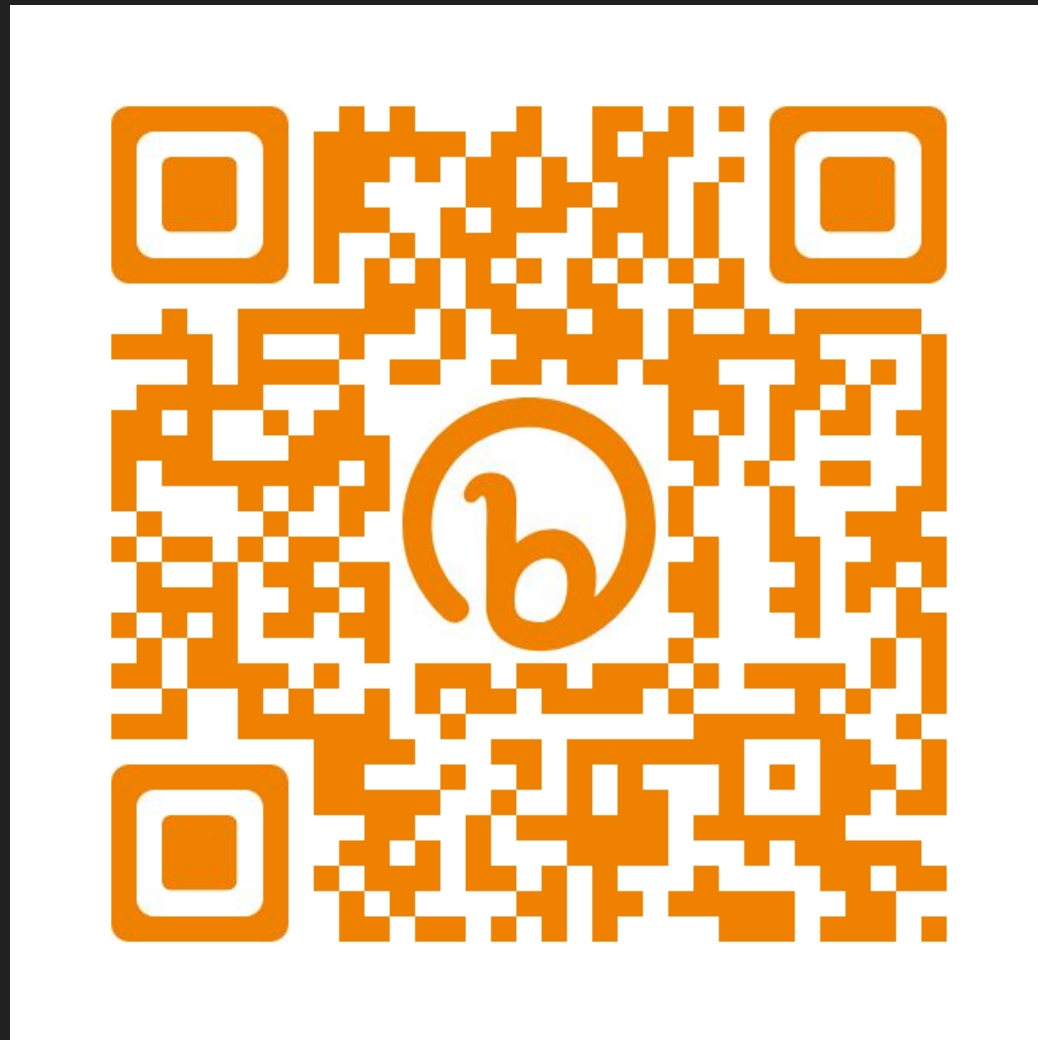
A word cloud on a dark gray background featuring various terms related to cloud computing and development. The words are arranged in a dense, overlapping manner. The largest words are 'Future', 'Product', 'DynamoDB', 'Agility', 'Lambda', 'Cognito', 'MVP', 'Scalability', 'API Gateway', 'Deployment', 'Faster', and 'Cost-Effective'. Other visible words include 'Speed', 'Serverless', 'Automation', 'Full-Stack', 'Simplicity', 'Adoption', 'Hosting', 'Cloud', 'Minimum', 'Pay-as-you-go', 'Development', 'Viability', 'Less', 'Servers', 'Amplify', 'Storage', and 'Gateway'. The colors of the words range from light blue to light green.

Speed
DynamoDB Agility
Lambda Serverless Cognito
Storage Automation
MVP Amplify Full-Stack Servers
Simplicity Future Less Product
Scalability API Gateway
Adoption Cloud
Hosting
Minimum Viability
Development Deployment
Pay-as-you-go Faster
Cost-Effective



Start building today!

Thank You!



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