



AWS

User Groups

Pune



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PUNE 2023



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# Build an MVP with Serverless for lesser costs

Avinash Shashikant Dalvi | Senior software engineer @Eagleview





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## What you are going to learn today ?

- MVP and Facts about building MVP
- AWS Serverless
- Cost factor of AWS serverless
- Case study
- Conclusion



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Minimum



Viable



Product

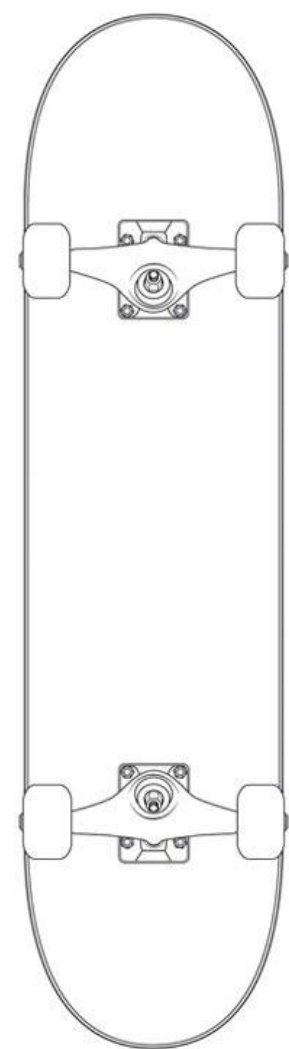




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## MVP



PROTOTYPE



MINIMUM VIABLE PRODUCT



PRODUCT

Pic taken from <https://www.cloudways.com/blog/building-an-mvp/#MVP-building-factors>



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## Facts about building an MVP



Focus on the  
core features



Early and often  
feedback from  
users



Be iterative  
and agile



Resources

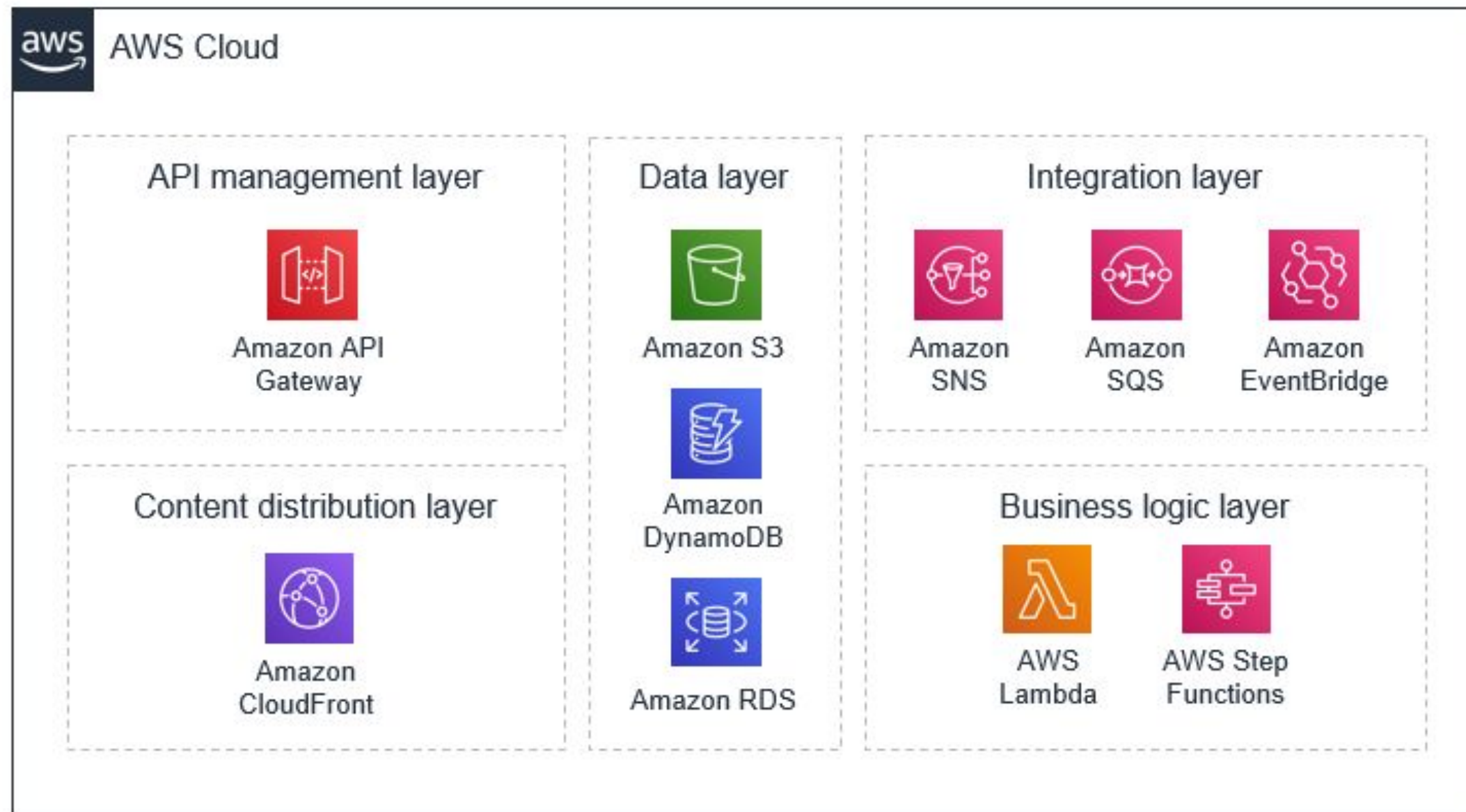




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## AWS Serverless





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## AWS Serverless



**SPEED**



**AGILITY**



**LEARN**





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## 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.



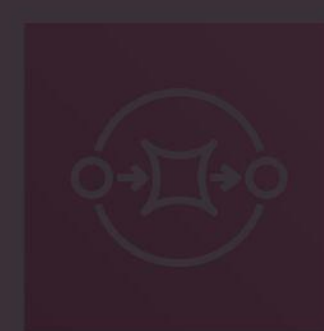
### SNS

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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## Cost factor of AWS serverless



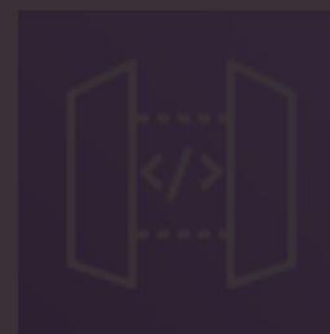
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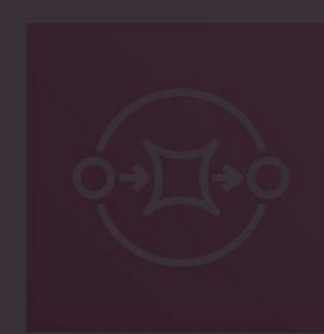
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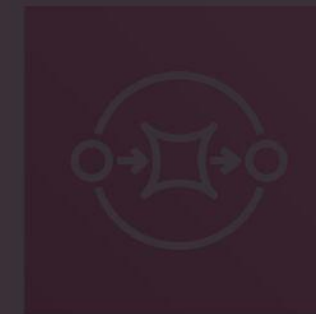
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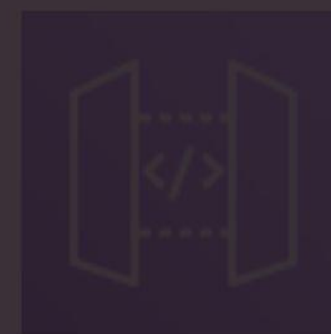
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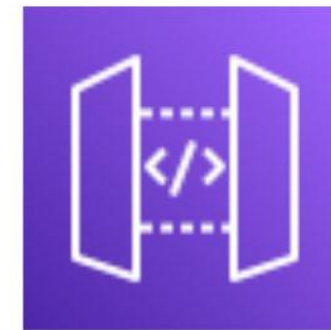
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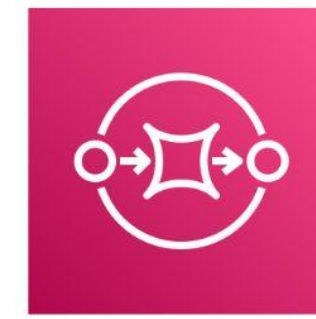
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## Case study

**Loan Application  
Process**

Dialer  
Integration

Backoffice  
operation





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## Case study

Loan Application  
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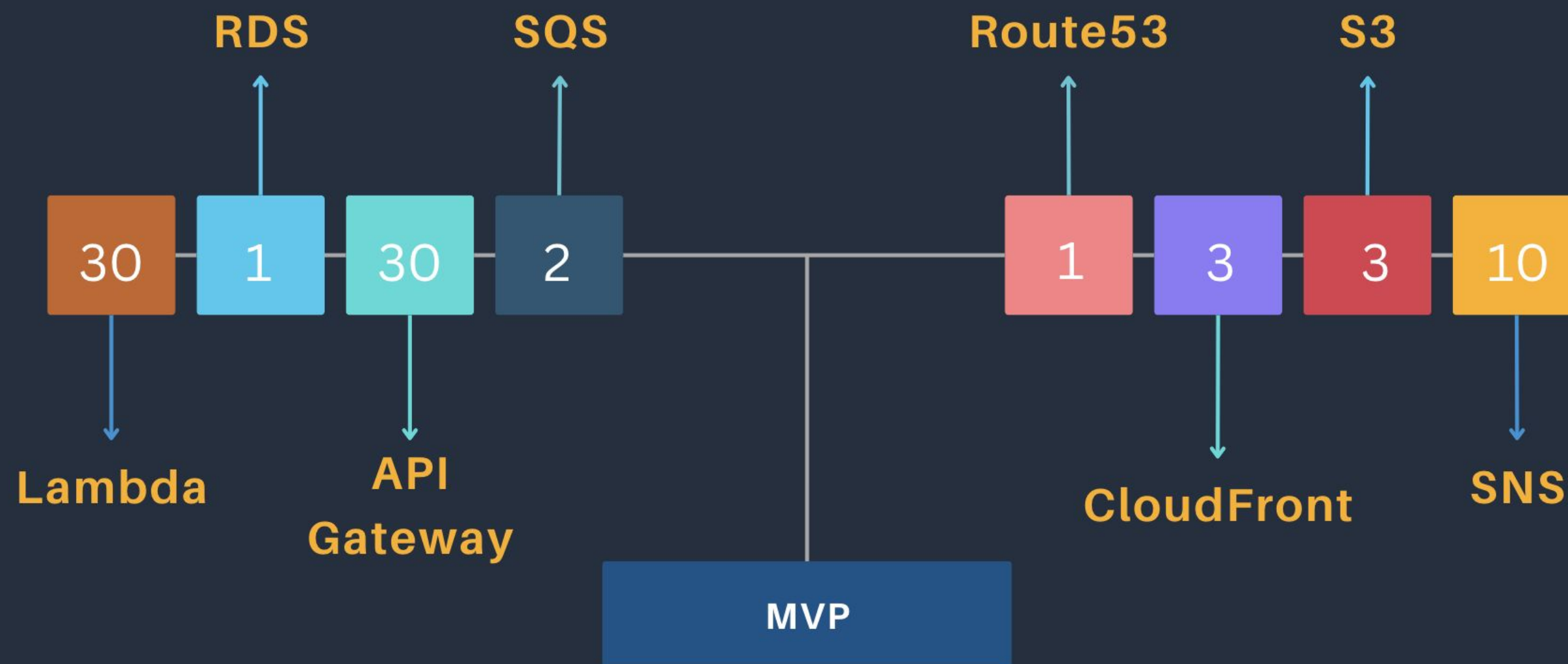




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## How we build this ?

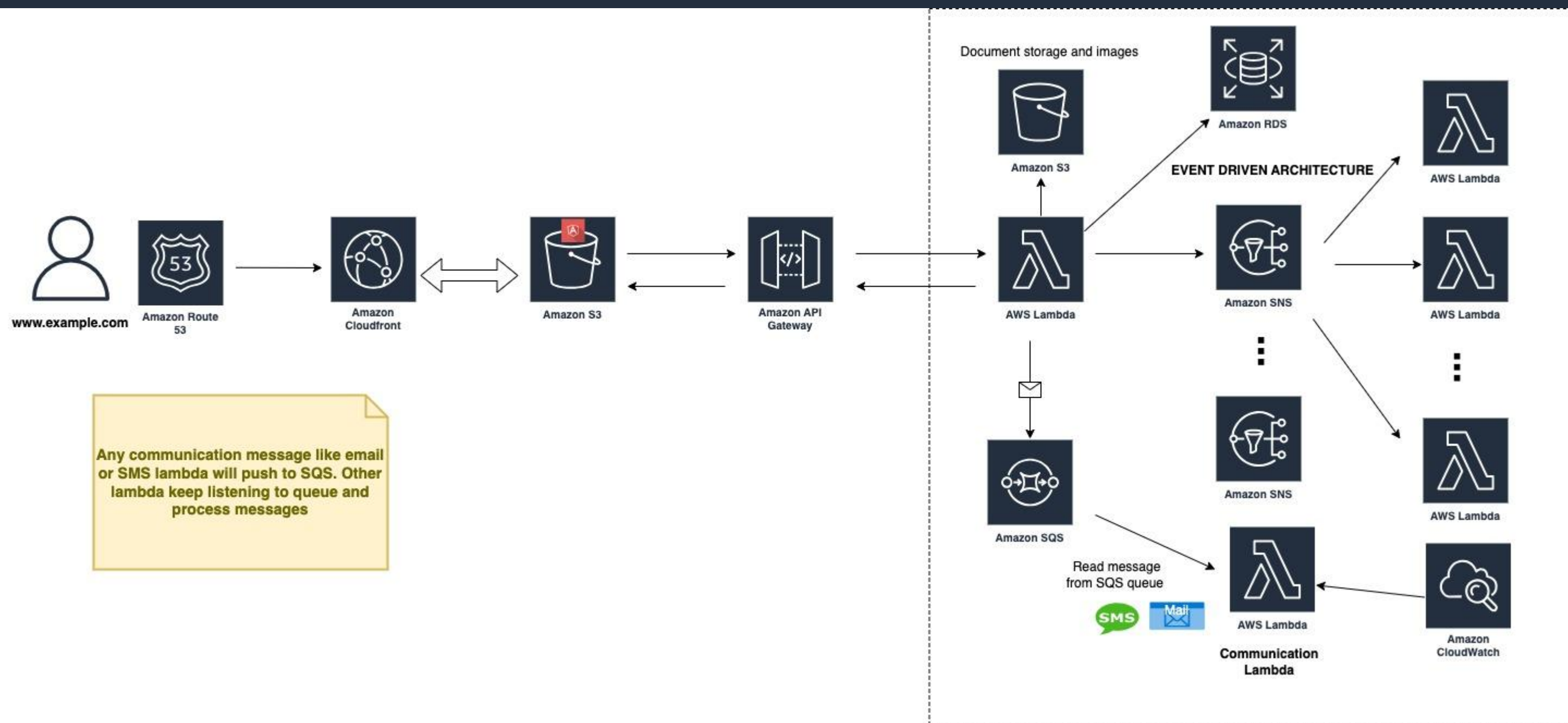




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## Architecture







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## Conclusion

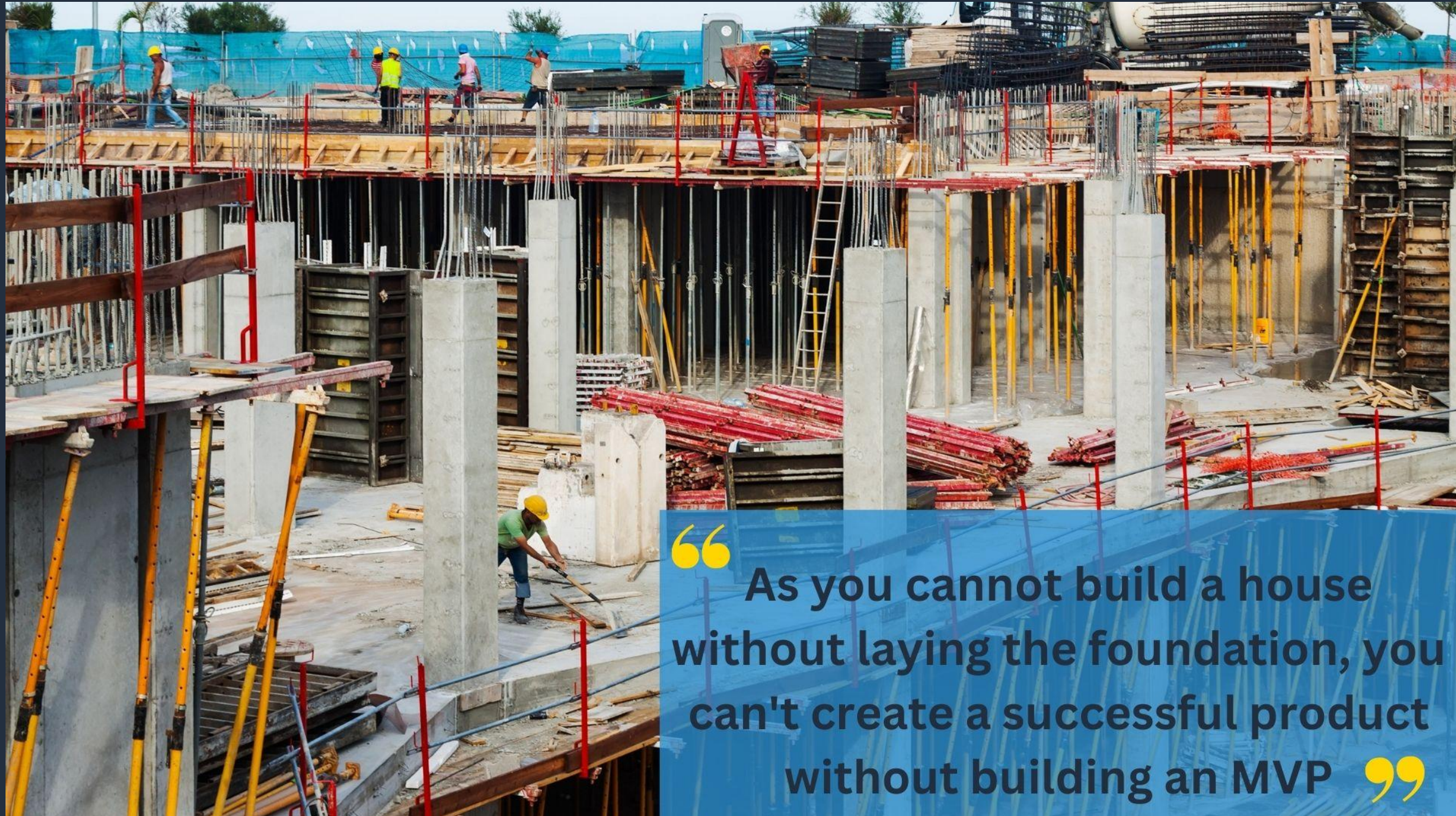
Quality Route53  
Feedback S3  
Startup Effort  
Scalable MVP Lambda Agile  
Product Building Cost  
Improvisation Faster  
Microservice  
Learning SQS SNS Gateway  
API Sharing  
Serverless  
effective





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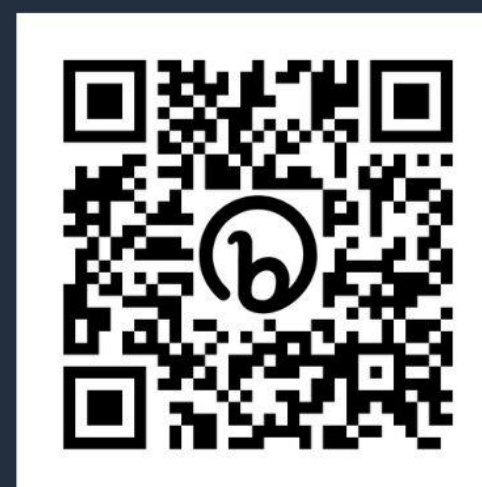
Reach out to me



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**Learn Together Grow Together**